

Appendix A

Public Notification That a Potential Event Was Occurring (40 CFR §50.14(c)(1))

FIGURE A-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

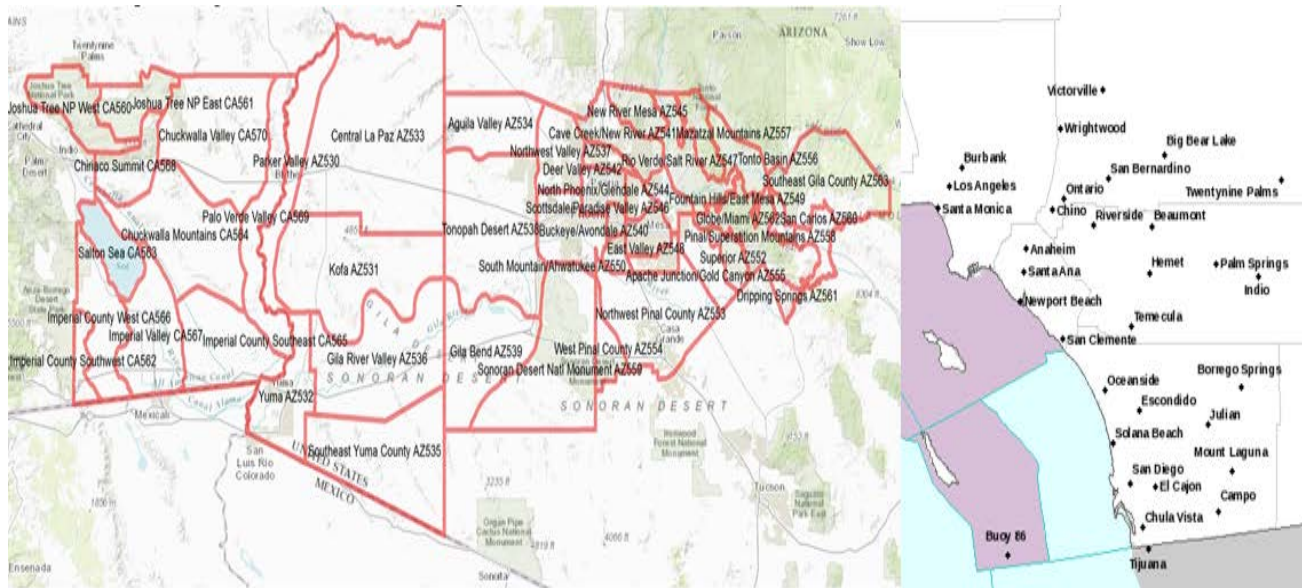


Fig A-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

An index listing all of the issued NWS Area Forecast Discussions and notices begins with page 80. Beginning on page 80 a listing of all NWS Area Forecast Discussions and notices begin organized by date and time. All referenced notices in the main document are included beginning with page 83.

FIGURE A-2
IMPERIAL VALLEY AIR QUALITY ALERT FOR BRAWLEY

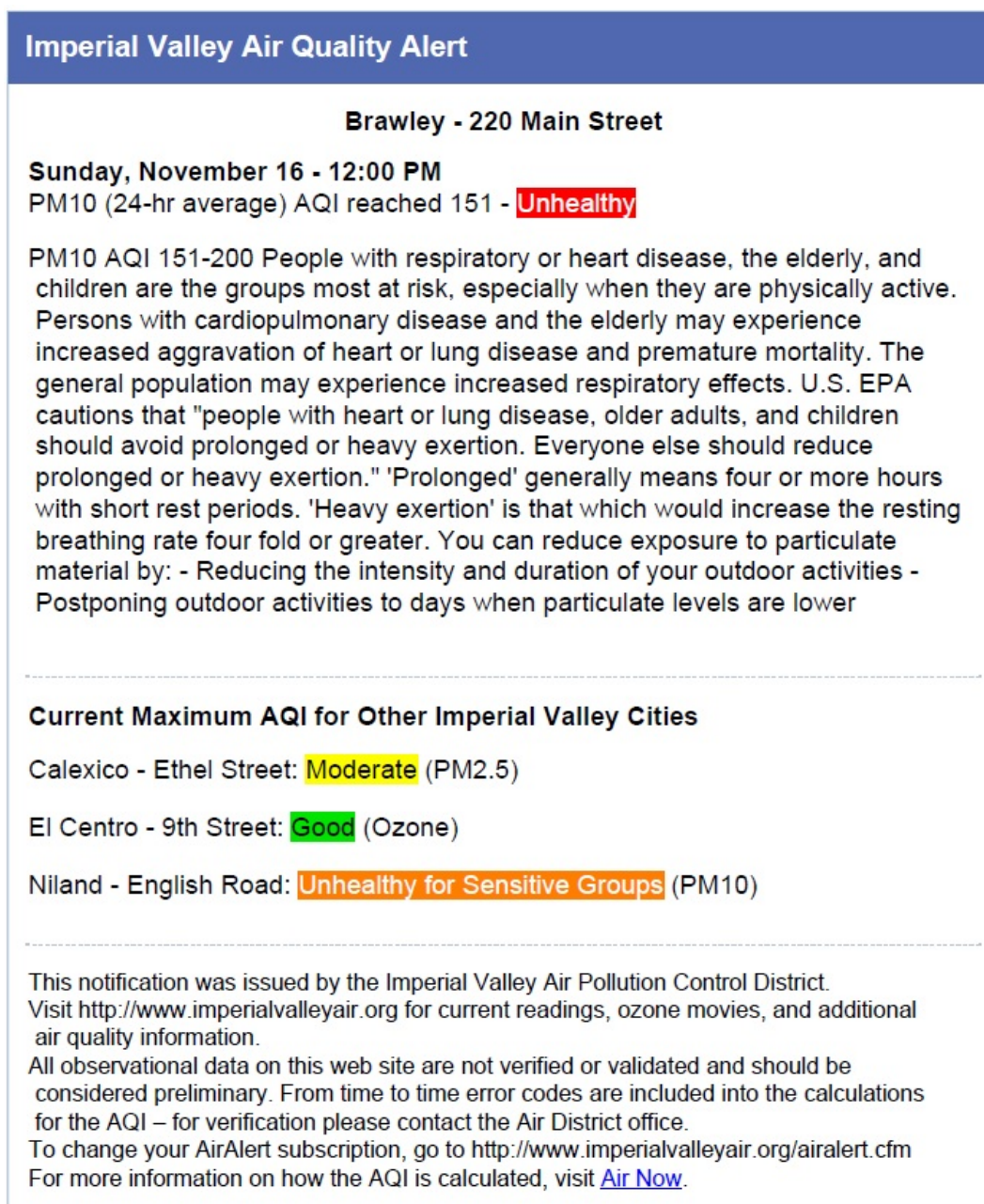


Fig A-2: An issued Air Quality Alert at 1200 pm on November 16, for Brawley provides support that air quality in Imperial County was affected by the strong gusty winds

FIGURE A-3 SMOKE TEXT PRODUCT BLOWING DUST OVER SOUTHERN CALIFORNIA

2/17/2017

Smoke Text Product - Satellite Services Division

Sunday, November 16, 2014

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 2345Z November 16, 2014

SMOKE

No significant areas of remnant smoke were seen this afternoon or evening. There were some smoke plumes associated with fires burning over portions of British Columbia and western Alberta.

BLOWING DUST

Southwest US and northern Mexico:

Extensive areas of blowing dust were seen across several areas of northern Mexico and the Southwest US this afternoon and evening. Dust was moving to the west southwest over the Pacific from far northern Baja and southern California. Another area of light to moderate dust was blowing south from the deserts of far southern California around the Salton Sea and into the northern Gulf of California. A narrow plume of light dust was noted moving to the south over western Arizona near Kingman.

Another area of dust was detected over northern Chihuahua and was moving to the south. Another dust plume was seen originating near the Rio Grand north of Laredo and was moving to the south into Mexico.

Ruminski

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE..TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>

GIS: <http://www.firedetect.noaa.gov/viewer.htm>

KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>

ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.
- Widespread cloudiness may prevent the detection of smoke even from significant fires.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2014/2014K170446.html>

1/1

Fig A-3: An excerpt from a Smoke Text Product identified blowing dust across portions of southern California. The issuance of the notice (~1545 PST) came after gusty winds had been blowing for several hours. The time of the notice is shortly after satellite images identified dust over the region (see Section IV). Source:

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2014/2014K170446.html>

FIGURE A-4
IMPERIAL COUNTY DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Saturday November 15 2014

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	62	CALM	10
8 AM	67	NW 6	10
9 AM	71	WNW 9	10
10 AM	74	W 9	10
11 AM	75	NW 5	10
NOON	78	NW 7	10
1 PM	78	VRBL 3	10
2 PM	79	N 5	10
3 PM	79	N 6	10
4 PM	79	ENE 7	10
5 PM	75	ENE 5	10
6 PM	67	W 5	10
7 PM	70	W 12	10

Max. Temperature yesterday was 79 degrees

Today's Mt. Signal Visibility at 7:30 AM NO NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 81

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet	_____	<u>1:30</u>
Forecast of Maximum Mixing Height	_____ feet	<u>7,200</u> feet
Forecast for Morning surface winds	<u>SW 5-10</u> mph	<u>SE 5-10</u> mph
Forecast for afternoon surface winds	<u>SW 10-20</u> mph	<u>SW 10-20</u> mph
Forecast for evening surface winds	<u>W 15-25 G35</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>SSW 10</u> mph	

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES
Total actually burned today _____ acres Crops burned _____
IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int _____

Fig A-4: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on November 15, 2014

FIGURE A-5
IMPERIAL COUNTY DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Sunday November 16 2014

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	55	CALM	10
8 AM	61	W 5	10
9 AM	68	CALM	10
10 AM	70	CALM	10
11 AM	74	CALM	10
NOON	76	VRBL 6	10
1 PM	79	SSE 7	10
2 PM	80	S 8	10
3 PM	80	SSW 3	10
4 PM	79	VRBL 3	10
5 PM	74	W 5	10
6 PM	72	W 6	10
7 PM	70	WNW 9	10

Max. Temperature yesterday was 80 degrees

Today's Mt. Signal Visibility at 7:30 AM NO NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 70

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet		<u>10:00</u>
Forecast of Maximum Mixing Height		<u>4,800</u> feet
Forecast for Morning surface winds	<u>N 25-30 G50</u> mph	<u>N 25-35 G50</u> mph
Forecast for afternoon surface winds	<u>N 15-25 G35</u> mph	<u>N 15-25 G35</u> mph
Forecast for evening surface winds	<u>N 15-25 G35</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>N 10-15</u> mph	

Comments/Complaints: _____

Burn Hours N/A ARB No Burn Day _____ District called No Burn Day YES

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int MC

Fig A-5: A copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on November 16, 2014

FIGURE A-6
IMPERIAL COUNTY AFFIDAVIT 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

04/20 .

all in the year 2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.


 SIGNATURE

Name of Account: I C AIR POLLUTION
 CONTROL
 Order Number: 11171755
 Ad Number: 31397051

* Printer, Foreman of the Printer, or Principal Clerk of the Printer

Date: 20 th day of April, 2018.
 at El Centro, California.

This space is for the County Clerk's
 Filing Stamp:

RECEIVED
APR 23 2018
AIR POLLUTION
CONTROL DISTRICT

Proof of Publication of:

**NOTICE OF AVAILABILITY
 OF THE DEMONSTRATION OF THE OCCURRENCE
 OF SEVEN EXCEPTIONAL EVENTS (EE)**

The Imperial County Air Pollution Control District (Air District) has prepared seven Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a Federal Reference Method monitor (FRM) or with a continuous Federal Equivalent Method monitor (FEM) are the seven Draft EE's.

2014				2015			
August 18	FEM	162	ug/m3	September 14	FEM	168	ug/m3
Niland				Brawley			
October 31 - November 1				October 01	FEM	171	ug/m3
Niland	FRM	181	ug/m3	Niland			
Brawley	FRM	471	ug/m3	October 04	FEM	166	ug/m3
Westmorland	FRM	404	ug/m3	Brawley			
Niland	FRM	173	ug/m3	Westmorland	FEM	250	ug/m3
Niland	FEM	219	ug/m3				
November 16				December 26	FRM	165	ug/m3
Brawley	FEM	210	ug/m3	Westmorland			
Niland	FEM	249	ug/m3	Westmorland	FEM	198	ug/m3

The public and all interested parties are encouraged to review and comment on the seven Draft EE's listed above. These demonstrations provide the supporting evidence that on the days indicated for 2014 and 2015 Air District air monitors were affected by entrained elevated levels of particulate matter of an aerodynamic size less than 10 microns (PM10). Winds, associated with a weather event entrained PM10 into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The seven Draft EE's provide the scientific justification for the requested exclusions. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is May 21, 2018 by close of business.

The seven Draft EE's for days listed above are available for download at the Air District website at www.co.imperial.ca.us, under "Air Pollution". To view a hard copy of any of the eight Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 265-1800 and ask for Monica N. Soucier.

L926 A20

Fig A-6: A copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Event Demonstration for November 16, 2014. The date for closing comments was May 21, 2018

FIGURE A-7
IMPERIAL COUNTY
COMMENTS REGARDING THE NOVEMBER 16, 2014 EE DEMONSTRATION

The ICAPCD did not receive any comments

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	11/14/2014	300	PST	San Diego	Weak onshore flow will return on Wednesday and gradually strengthen into next weekend...
Area Forecast Discussion	11/14/2014	1000	PST	San Diego	Water vapor imagery shows a trough of low-pressure moving inland across Southern California this morning...Northerly winds will also develop during the day on Sunday
Urgent Weather Message	11/14/2014	1350	PST	San Diego	High wind watch in effect from Sunday evening through Monday afternoon. San Diego County Mountains, northeast to easterly winds 20 to 30 mph with gusts to 50 mph
Area Forecast Discussion	11/14/2014	1400	PST	San Diego	Water vapor imagery continues to show a trough of low-pressure shifting east of the area this afternoon
Area Forecast Discussion	11/14/2014	1450	PST	San Diego	Water vapor imagery continues to show a trough of low-pressure shifting east of the area this afternoon...Northerly winds will also develop late Saturday night and during the day on Sunday...increasing the offshore winds on Sunday and into Monday
Urgent Weather Message	11/14/2014	2045	PST	San Diego	High wind watch in effect from late Saturday night through Monday afternoon. San Diego County Mountains, northeast to easterly winds 20 to 30 mph with gusts to 50 mph
Area Forecast Discussion	11/14/2014	2130	PST	San Diego	Upper ridging will amplify just off the west coast Sunday/Monday and gradually move east over California Tuesday before the upper low from the Pacific moves towards northern California.
Urgent Weather Message	11/15/2014	341	MST	Phoenix	Wind Advisory in effect from 5 AM MST to 5 PM MST Sunday. The lower Colorado River Valley and portions of Southeastern California...A strong cold front will move through Sunday morning bringing windy conditions to portions of Southeast California and Southwest Arizona
Area Forecast Discussion	11/15/2014	350	MST	Phoenix	Well-defined shortwave trough across the Great Basin will drop steadily towards the Southern Rockies today. The aforementioned trough will eject rapidly eastward Sunday night.
Urgent Weather Message	11/15/2014	403	PST	San Diego	High wind watch now in effect from Sunday evening through Monday morning. San Diego County Mountains northeast 20 to 30 mph with gusts to 55 mph.

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	11/15/2014	500	PST	San Diego	Onshore flow This morning with gusty west winds in the mountains and deserts. A shortwave moving southeastward through the Great Basin will push a cold front through Southern California early Sunday. Surface high pressure over the Great Basin behind the cold front combined with moderately strong north to northeast winds aloft will bring periods of strong gusty northeast winds for Sunday into Monday.	
Area Forecast Discussion	11/15/2014	925	PST	San Diego	At this point in time Southern California remains under the northwesterly flow aloft....Water vapor imagery also shows more cold air diving south from Canada this morning with a back door cold front pushing south across Oregon, Idaho, and Wyoming. This cold front will push through the Great Basin today and tonight and across Southern California early Sunday morning.	
Area Forecast Discussion	11/15/2014	1315	PST	San Diego	At this point in time Southern California remains under the northwesterly flow aloft....Water vapor imagery also shows more cold air diving south across the intermountain west this afternoon and into the Great Basin. The primary concern will be with the moderately strong north to northeast winds across our northern mountains, Inland Empire and Orange County.	
Area Forecast Discussion	11/15/2014	2040	MST	Phoenix	Relatively cold but not overly wet Pacific storm system continues to take shape over portions of the Pacific Northwest. Northern Nevada and Utah this evening and it will dive quickly southeastwards towards Arizona....The largest sensible weather threat Sunday will be strong winds and associated impacts through the WRN parts of the forecast area	
Urgent Weather Message	11/15/2014	2113	PST	San Diego	High wind warning remains in effect from 8 PM Sunday to noon PST Monday. Coachella Valley - San Diego County Mountains northeast 20 to 30 mph with gusts to 55 mph.	
Area Forecast Discussion	11/16/2014	245	PST	San Diego	West to northwest winds aloft....As offshore flow develops and strengthens...Gusty west winds in the mountains and deserts have become northwest and have weakened somewhat from the evening though with the strongest gusts still to around 45 mph... Gusty Santa Ana winds are expected to develop for northern areas around sunrise..	

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	11/16/2014	335	MST	Phoenix	Bigger impact with this system will be the increase in wind behind a cold front. Low-level pressure gradient will be tight and with a favorable trajectory down the Colorado River Valley...Gusts may approach 45 mph during the afternoon in these areas. A wind advisory continues for the Colorado River Valley as well as portions of Southeastern California.	
Hazardous Weather Outlook	11/16/2014	614	MST	Phoenix	Imperial County - Windy conditions will develop early this morning behind a cold front. Winds will be strongest down the Colorado River Valley...Where gusts to 45 mph will be possible during the afternoon.	
Urgent Weather Message	11/16/2014	720	PST	San Diego	High wind warning remains in effect from 8 PM this evening to noon PST Monday. Coachella Valley - San Diego County Mountains northeast 20 to 30 mph with gusts to 55 mph.	
Hazardous Weather Outlook	11/16/2014	737	MST	Phoenix	Imperial County - Blowing dust advisory in effect until 11 AM MST this morning - Wind advisory remains in effect until 5 pm MST this afternoon. North winds 25 to 35 mph with gusts 40 to 50 mph. Reduced visibility to less than one half mile	
Area Forecast Discussion	11/16/2014	815	MST	Phoenix	As well as windy conditions through far western Arizona and Southeast California....The much advertised cold front subjectively aligns from the Phoenix metro through far southwestern Arizona this morning...presence of gusty mixed north winds. Winds channeling down the Colorado River Valley have been quite strong this morning...	
Urgent Weather Message	11/16/2014	1330	PST	San Diego	High wind warning now in effect until noon PST Monday - Coachella Valley - San Diego County Mountains northeast 20 to 30 mph with gusts to 55 mph.	
Urgent Weather Message	11/16/2014	1406	MST	Phoenix	Imperial County - Blowing dust advisory expired - Wind advisory remains in effect until 5 pm MST this afternoon. North winds 25 to 35 mph with gusts 40 to 50 mph. Reduced visibility to less than one half mile	

┌
079
FXUS66 KSGX 141100
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
300 AM PST FRI NOV 14 2014

.SYNOPSIS...

A WEAK TROUGH OF LOW PRESSURE WILL BRING SOME LIGHT SHOWERS INTO THIS MORNING ALONG AND WEST OF THE MOUNTAINS. OTHERWISE...ONSHORE FLOW WILL CONTINUE THROUGH SATURDAY AND BRING PARTLY TO MOSTLY CLOUDY SKIES WEST OF THE MOUNTAINS AND COOLER DAYS. OFFSHORE FLOW WILL DEVELOP LATE SUNDAY AND CONTINUE INTO MONDAY WITH GUSTY NORTHEAST WINDS NEAR THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILL AREAS. HIGH PRESSURE ALOFT OFF THE WEST COAST AND OFFSHORE FLOW WILL BRING WARMING THROUGH MID WEEK. FOR THE LATTER HALF OF NEXT WEEK...ONSHORE FLOW WILL RETURN AND SLOWLY STRENGTHEN. THIS WILL BRING SLOW COOLING WITH A RETURN OF NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

A WEAK LOW PRESSURE SYSTEM MOVING INLAND THROUGH SOUTHERN CALIFORNIA TODAY WILL MAINTAIN A DEEP MARINE LAYER WITH SCATTERED LIGHT SHOWERS ALONG AND WEST OF THE MOUNTAINS THIS MORNING. MOST RAINFALL AMOUNTS SHOULD BE 0.05 INCH OR LESS. HIGH PRESSURE WILL DEVELOP OFF THE WEST COAST ON SATURDAY. THIS WILL BRING A SLIGHTLY SHALLOWER MARINE LAYER WITH SLOW WARMING. OFFSHORE FLOW WILL DEVELOP LATE SUNDAY WITH STRONGEST OFFSHORE FLOW FOR LATE SUNDAY NIGHT INTO MONDAY. THIS SHOULD BRING ADVISORY STRENGTH WINDS FOR THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILLS AREAS. ISOLATED BRIEF WARNING STRENGTH WINDS ARE POSSIBLE IN THE NORMALLY WINDIER LOCATIONS MONDAY MORNING.

HIGH PRESSURE ALOFT OFF THE WEST COAST COMBINED WITH THE OFFSHORE FLOW WILL PUSH WARMING TOWARD THE COAST FOR MONDAY AND TUESDAY WITH THE WARMING SPREADING INLAND ON TUESDAY AS THE OFFSHORE FLOW AND ASSOCIATED LOWER LEVEL COLD ADVECTION WEAKENS.

WEAK ONSHORE FLOW WILL RETURN ON WEDNESDAY AND GRADUALLY STRENGTHEN INTO NEXT WEEKEND WITH A RETURN OF NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG LATE IN THE WEEK. MOST PRECIPITATION FOR THE MIDDLE PART OF NEXT WEEK IS EXPECTED TO REMAIN NORTH OF POINT CONCEPTION.

&&

.AVIATION...

141015Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...MULTIPLE CLOUD

November 16, 2014 Exceptional Event, Imperial County

Appendix A

LAYERS WITH BASES 1500 TO 4000 FT MSL AND TOPS NEAR 5500 FT MSL
ALONG WITH ISOLATED LIGHT SHOWERS THIS MORNING. VIS LOCALLY REDUCED
TO 5SM IN -SHRA/BR AND COASTAL SLOPES OF THE MTNS WILL REMAIN
OBSCURED. SCT-BKN CLOUD LAYERS AOA 3000 FT MSL THROUGH THE
AFTERNOON...BECOMING BKN-OVC WITH BASES 2000-3000 FT MSL AFTER
14/01Z.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...SCT-BKN CLOUDS AOA 20000
FT MSL AND UNRESTRICTED VIS THROUGH THIS EVENING. LOCAL WEST WIND
GUSTS 30-40 KT THROUGH AND BELOW PASSES...AND ALONG DESERT MTN
SLOPES AND ADJACENT DESERT FOOTHILLS WILL CREATE MOD-STG UDDFS AND
LLWS OVER AND E OF THE MOUNTAINS.

&&

.MARINE...

230 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH TUESDAY.

&&

.BEACHES...

230 AM...A MODERATE W-NW SWELL ARRIVING THIS MORNING WILL GENERATE
ELEVATED SURF OF 3 TO 6 FEET AND STRONG RIP CURRENTS FRIDAY AND
SATURDAY. LOCAL SETS OF 7 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH
AND SOUTH OF ENCINITAS THIS AFTERNOON INTO SATURDAY MORNING. SWELL
AND SURF WILL SLOWLY LOWER SUNDAY AND MONDAY.

&&

.FIRE WEATHER...

OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS
WILL LIKELY BRING AREAS OF MODERATELY STRONG NORTHEAST WINDS
THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. BASED ON
CURRENT PROJECTIONS...STRONGEST WINDS WILL BE SUNDAY NIGHT...AND
LOWEST HUMIDITIES WILL BE MONDAY. IT IS POSSIBLE THAT MINIMUM RH
VALUES WILL BE NEAR OR BELOW 10 PERCENT OVER INLAND AREAS MONDAY AND
COULD CONTINUE TUESDAY THOUGH WITH LESS WIND. THE LIGHT SHOWERS THAT
COULD OCCUR TONIGHT WILL LIKELY NOT BE WETTING RAIN...SO CONDITIONS
WILL CONTINUE TO BE DRY.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE
ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

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330
FXUS66 KSGX 141800
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
1000 AM PST FRI NOV 14 2014

.SYNOPSIS...

LIGHT SHOWERS TAPERING OFF THIS MORNING...WITH COOL CONDITIONS AND PARTLY TO MOSTLY CLOUDY SKIES PREVAILING. ALTHOUGH THIS COOLER WEATHER WILL CONTINUE THROUGH SATURDAY...DRY AND WARMER CONDITIONS WILL DEVELOP FOR SUNDAY THROUGH TUESDAY...AS HIGH PRESSURE BUILDS OVER THE REGION. OFFSHORE WINDS WILL DEVELOP THESE DAYS AS WELL...WITH GUSTY NORTHEAST WINDS NEAR THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILL AREAS. A SERIES OF TROUGHS WILL THEN MOVE INTO THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH THE ONSHORE FLOW AND COOLER CONDITIONS PREVAILING AS WELL AS THE NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG RETURNING.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY SHOWS A TROUGH OF LOW PRESSURE MOVING INLAND ACROSS SOUTHERN CALIFORNIA THIS MORNING...WITH THE OMEGA BLOCK PERSISTING TO OUR NORTH. THIS DISTURBANCE HELPED DEEPEN THE MARINE LAYER TO WELL OVER 6500 FEET THIS MORNING...AND BROUGHT SOME LIGHT RAIN SHOWERS ALONG THE WEST OF THE MOUNTAINS. WHILE MOST LOCATIONS ONLY SAW A FEW HUNDREDTHS...A FEW LOCATIONS REPORTED TOTALS BETWEEN 0.1 AND 0.15 INCHES IN THE LAST 12 HOURS...INCLUDING CRESTLINE RIDGE AND LAGUNA BEACH. ALTHOUGH THIS LIGHT RAINFALL WILL NOT MAKE A DENT IN OUR DROUGHT...IT WAS NICE TO WAKE UP TO...EVEN IF IT DID MAKE MY DIRTY CAR WORSE. NEEDLESS TO SAY...COOLER CONDITIONS WILL CONTINUE TO PREVAIL ACROSS THE REGION TODAY...WITH PARTLY TO MOSTLY CLOUDY SKIES PREVAILING...ESPECIALLY WEST OF THE MOUNTAINS. THESE COOL CONDITIONS WILL CONTINUE THROUGH SATURDAY THOUGH...WITH TEMPERATURES REMAINING UP TO 10 DEGREES BELOW NORMAL.

HIGH PRESSURE WILL REBUILD ALONG THE WEST COAST FOR SUNDAY THROUGH TUESDAY...WITH DRY AND WARMER CONDITIONS DEVELOPING. NORTHERLY WINDS WILL ALSO DEVELOP DURING THE DAY ON SUNDAY...TRANSITIONING TO NORTHEASTERLY AND EASTERLY AS WELL AS SHIFTING SOUTHWARD INTO SAN DIEGO COUNTY OVERNIGHT AND ON MONDAY. AT THIS POINT IN TIME...THE MODELS ARE COMING INTO BETTER AGREEMENT WITH THE TIMING OF THIS WIND EVENT...INCREASING THE OFFSHORE WINDS ON SUNDAY AND INTO MONDAY...THEN WEAKENING WINDS FOR TUESDAY. ALTHOUGH IT WILL MOST LIKELY BE GRADIENT DRIVEN EVENT...THE 12Z NAM AND 00Z CANSAC WRF ARE SHOWING SOME DECENT UPPER LEVEL SUPPORT. THE 12Z CANSAC MM5 IS NOT AS STRONG THOUGH...AND AWAITING THE REST OF THE 12Z MODELS TO SEE

WHAT THEY SHOW. AT THIS POINT IN TIME THOUGH...IT APPEARS LIKE A MODERATE SANTA ANA EVENT WILL BE POSSIBLE...WITH SOME LOCALLY STRONGER WINDS POSSIBLE THROUGH THE FAVORED AREAS. THIS EVENT WILL ALSO BE A RELATIVELY COOL EVENT...WITH DAY TIME TEMPERATURES ONLY IN THE MID 70S TO AROUND 80. THAT BEING SAID...TEMPERATURES WEST OF THE MOUNTAINS WILL BE RUNNING 5 TO 10 DEGREES...WHILE THE MOUNTAIN AND DESERT AREAS WILL BE NEAR OR BELOW NORMAL.

A SERIES OF STORMS WILL THEN MOVE INLAND ALONG THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH ONSHORE FLOW AND COOLER CONDITIONS DEVELOPING ONCE AGAIN. CURRENTLY...IT LOOKS LIKE ONE SYSTEM SOME TIME AROUND WEDNESDAY AND ANOTHER FOR LATE THURSDAY AND FRIDAY. THE FIRST OF THESE WILL WEAKEN AS IT MOVES INTO THE WEST COAST...WITH ANY PRECIPITATION STAYING WELL TO OUR NORTH. AS FOR THE THURSDAY NIGHT AND FRIDAY SYSTEM...THE MODELS ARE STILL VARYING ON THE STRENGTH...WITH THE GEM AND ECMWF TRENDING STRONGER THAN THE 12Z GFS. FOR NOW...WILL KEEP THE FORECAST DRY...BUT MAY NEED TO THINK ABOUT ADDING SOME LOW POPS IF THERE IS SOME DECENT RUN TO RUN CONSISTENCY OF THE 12Z MODELS. OTHERWISE...JUST EXPECT SOME PERIODS OF CLOUDS...WITH COASTAL LOW CLOUDS AND FOG POSSIBLE EACH NIGHT.

&&

.AVIATION...

141630Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...MULTIPLE BKN-SCT CLOUD LAYERS...WITH BASES 1500-3000 FT MSL...TOPS 5500-6500 FT MSL...LOCAL VIS 3-5 SM...MOUNTAIN OBSCURATION...ISOLATED LIGHT SHOWERS/DRIZZLE AND BKN-SCT HIGH CLOUDS AOA 20000 FT MSL. THROUGH 15/0000 UTC...LOW CLOUDS BECOMING MAINLY SCT IN COVERAGE WITH SHOWERS DIMINISHING...MOSTLY UNRESTRICTED VIS PREVAILING AND DECREASING HIGH CLOUDS. 15/0000-1500 UTC...CLOUDS THICKENING AND BECOMING BKN-OVC AGAIN...WITH BASES 2000-3000 FT MSL AND TOPS 4000-4500 FT MSL. MOUNTAIN OBSCURATION LIKELY AGAIN.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...SCT-BKN CLOUDS AOA 20000 FT MSL DIMINISHING THROUGH THE DAY WITH UNRESTRICTED VIS CONTINUING THROUGH SATURDAY MORNING. W WINDS 15-25 KT WITH GUSTS 30-40 KT ALONG MOUNTAIN RIDGES...THROUGH AND BELOW CANYONS/PASSES...ALONG DESERT SLOPES AND INTO ADJACENT DESERT AREAS WILL CREATE MOD-STG UP/DOWNRAFTS AND LLWS OVER AND E OR NE OF THE MOUNTAINS.

&&

.MARINE...

830 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH TUESDAY.

&&

.BEACHES...

830 AM...BUOYS OVER THE SAN DIEGO COUNTY COASTAL WATERS SHOW A BUILDING WEST-NORTHWEST SWELL...WITH THE SAN CLEMENTE BASIN BUOY SHOWING SWELL HEIGHTS/PERIODS UP TO 5 FT/16 SECONDS...AND THE NEARSHORE CDIP BUOYS OFF OF SOUTHERN SAN DIEGO COUNTY SHOWING SWELL HEIGHTS/PERIODS OF 3-4 FT/17 SECONDS. THIS SWELL SHOULD CONTINUE TO

BUILD TODAY...PEAKING AT 6-7 FT/14-16 SECONDS THIS AFTERNOON AND EVENING. THE SWELL WILL GENERATE ELEVATED SURF OF 3 TO 6 FEET AND STRONG RIP CURRENTS TODAY AND SATURDAY. LOCAL SETS OF 7 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS THIS AFTERNOON INTO SATURDAY MORNING. SWELL AND SURF WILL SLOWLY LOWER LATE SATURDAY INTO MONDAY.

&&

.FIRE WEATHER (FROM PREVIOUS DISCUSSION)...
OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL LIKELY BRING AREAS OF MODERATELY STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. BASED ON CURRENT PROJECTIONS...STRONGEST WINDS WILL BE SUNDAY NIGHT...AND LOWEST HUMIDITIES WILL BE MONDAY. IT IS POSSIBLE THAT MINIMUM RH VALUES WILL BE NEAR OR BELOW 10 PERCENT OVER INLAND AREAS MONDAY AND COULD CONTINUE TUESDAY THOUGH WITH LESS WIND. THE LIGHT SHOWERS THAT COULD OCCUR THIS MORNING WILL LIKELY NOT BE WETTING RAIN...SO CONDITIONS WILL CONTINUE TO BE DRY.

&&

.SKYWARN...
SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...NONE.

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PUBLIC...PALMER
AVIATION/MARINE...HARRISON
FIRE WEATHER...17

IOWA STATE
UNIVERSITY

College of Ag

Department of Agronomy

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934
WWUS76 KSGX 142150
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
150 PM PST FRI NOV 14 2014

...POTENTIALLY STRONG SANTA ANA WINDS TO DEVELOP ON SUNDAY AND
MONDAY...

.HIGH PRESSURE WILL BUILD AND COLD AIR WILL SURGE INTO THE GREAT
BASIN LATE SATURDAY NIGHT AND ON SUNDAY...INCREASING THE OFFSHORE
PRESSURE GRADIENTS ACROSS SOUTHERN CALIFORNIA. THESE POTENTIALLY
STRONG AND GUSTY WINDS WILL INITIALLY BE NORTHERLY LATE SATURDAY
NIGHT AND SUNDAY MORNING...BEFORE TRANSITIONING TO NORTHEASTERLY
LATE IN THE DAY ON SUNDAY. BY SUNDAY EVENING...THESE WINDS WILL
SPREAD INTO SAN DIEGO COUNTY AS WELL.

CAZ042-048-055-057-150600-
/O.NEW.KSGX.HW.A.0010.141116T1200Z-141118T0000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-SANTA ANA MOUNTAINS AND FOOTHILLS-
150 PM PST FRI NOV 14 2014

...HIGH WIND WATCH IN EFFECT FROM LATE SATURDAY NIGHT THROUGH
MONDAY AFTERNOON...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND
WATCH...WHICH IS IN EFFECT FROM LATE SATURDAY NIGHT THROUGH
MONDAY AFTERNOON.

- * WINDS...NORTH TO NORTHEASTERLY WINDS 20 TO 30 MPH...WITH GUSTS
TO 50 MPH. GUSTS UP TO 65 MPH THROUGH THE FAVORED PASSES AND
CANYONS.
- * TIMING...LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON...WITH
STRONGEST WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY
MORNING.
- * LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS
AND BELOW PASSES AND CANYONS.
- * IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.
- * OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

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CAZ050-056-058-150600-
/O.NEW.KSGX.HW.A.0010.141117T0400Z-141118T0000Z/
SAN DIEGO COUNTY VALLEYS-RIVERSIDE COUNTY MOUNTAINS-
SAN DIEGO COUNTY MOUNTAINS-
150 PM PST FRI NOV 14 2014

...HIGH WIND WATCH IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY AFTERNOON...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND WATCH...WHICH IS IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY AFTERNOON.

- * WINDS...NORTHEAST TO EASTERLY WINDS 20 TO 30 MPH...WITH GUSTS TO 50 MPH. GUSTS UP TO 65 MPH THROUGH THE FAVORED PASSES AND CANYONS.
- * TIMING...SUNDAY EVENING THROUGH MONDAY AFTERNOON...WITH THE STRONGEST WINDS OCCURRING LATE SUNDAY NIGHT AND MONDAY MORNING.
- * LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.
- * IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST.
- * OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

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PALMER

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293

FXUS66 KSGX 142200

AFDSGX

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE SAN DIEGO CA

200 PM PST FRI NOV 14 2014

.SYNOPSIS...

ALTHOUGH THIS COOLER WEATHER WILL CONTINUE THROUGH SATURDAY...DRY AND WARMER CONDITIONS WILL DEVELOP FOR SUNDAY THROUGH TUESDAY...AS HIGH PRESSURE BUILDS OVER THE REGION. OFFSHORE WINDS WILL DEVELOP THESE DAYS AS WELL...WITH GUSTY NORTHEAST WINDS NEAR THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILL AREAS. A SERIES OF TROUGHS WILL THEN MOVE INTO THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH THE ONSHORE FLOW AND COOLER CONDITIONS PREVAILING AS WELL AS THE NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG RETURNING.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY CONTINUES TO SHOW A TROUGH OF LOW PRESSURE SHIFTING EAST OF THE AREA THIS AFTERNOON...AS HIGH PRESSURE BEGINS TO BUILD OVER THE EASTERN PACIFIC. AS A RESULT...A FEW HIGH CLOUDS ARE STILL LINGERING OVER SAN DIEGO COUNTY...WHILE SOME COLD AIR CUMULUS ARE PREVALENT WEST OF THE MOUNTAINS. TEMPERATURES THIS AFTERNOON ARE RUNNING WITH A FEW DEGREES OF THIS TIME YESTERDAY...WITH UNSEASONABLY COOL CONDITIONS PREVAILING ACROSS THE REGION. THESE COOLER CONDITIONS WILL PREVAIL THROUGH SATURDAY AS WELL...AS DRY NORTHWESTERLY FLOW ALOFT CONTINUES TO FILTER INTO SOUTHERN CALIFORNIA.

A HIGH AMPLITUDE RIDGE OF HIGH PRESSURE WILL THEN REBUILD ALONG THE WEST COAST FOR SUNDAY THROUGH TUESDAY...WITH DRY AND WARMER CONDITIONS DEVELOPING ACROSS SOUTHERN CALIFORNIA. NORTHERLY WINDS WILL ALSO DEVELOP LATE SATURDAY NIGHT AND DURING THE DAY ON SUNDAY...BEFORE TRANSITIONING TO NORTHEASTERLY AND EASTERLY AS WELL AS SHIFTING SOUTHWARD INTO SAN DIEGO COUNTY OVERNIGHT AND ON MONDAY. AT THIS POINT IN TIME...THE MODELS ARE COMING INTO BETTER AGREEMENT WITH THE TIMING OF THIS WIND EVENT...INCREASING THE OFFSHORE WINDS ON SUNDAY AND INTO MONDAY...THEN WEAKENING WINDS FOR TUESDAY. ALTHOUGH IT WILL MOST LIKELY BE GRADIENT DRIVEN EVENT...THE 12Z NAM AND CANSAC WRF ARE SHOWING SOME DECENT UPPER LEVEL SUPPORT. THE 12Z CANSAC MM5 IS NOT AS STRONG THOUGH...AND AWAITING THE REST OF THE 12Z MODELS TO SEE WHAT THEY SHOW. AT THIS POINT IN TIME THOUGH...IT APPEARS LIKE A MODERATE TO LOCALLY STRONG SANTA ANA EVENT WILL BE POSSIBLE...WITH SOME LOCALLY STRONGER WINDS POSSIBLE THROUGH THE FAVORED AREAS. FOR THIS REASON...HAVE ISSUES A HIGH WIND WATCH FOR THE COASTAL MOUNTAIN SLOPES AND FAVORED PASSES

November 16, 2014 Exceptional Event, Imperial County

Appendix A

AND CANYONS. THIS SANTA ANA EVENT WILL ALSO BE A RELATIVELY COOL EVENT...WITH DAY TIME TEMPERATURES ONLY IN THE MID 70S TO AROUND 80. THAT BEING SAID...TEMPERATURES WEST OF THE MOUNTAINS WILL BE RUNNING 5 TO 10 DEGREES...WHILE THE MOUNTAIN AND DESERT AREAS WILL BE NEAR OR BELOW NORMAL.

A SERIES OF STORMS WILL THEN MOVE INLAND ALONG THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH ONSHORE FLOW AND COOLER CONDITIONS DEVELOPING ONCE AGAIN. CURRENTLY...IT LOOKS LIKE ONE SYSTEM SOME TIME AROUND WEDNESDAY AND ANOTHER FOR LATE THURSDAY AND FRIDAY. THE FIRST OF THESE WILL WEAKEN AS IT MOVES INTO THE WEST COAST...WITH ANY PRECIPITATION STAYING WELL TO OUR NORTH. AS FOR THE THURSDAY NIGHT AND FRIDAY SYSTEM...THE MODELS ARE STILL VARYING ON THE STRENGTH...WITH THE GEM AND ECMWF TRENDING STRONGER THAN THE 12Z GFS. FOR NOW...WILL KEEP THE FORECAST DRY...BUT MAY NEED TO THINK ABOUT ADDING SOME LOW POPS IF THERE IS SOME DECENT RUN TO RUN CONSISTENCY OF THE 12Z MODELS. OTHERWISE...JUST EXPECT SOME PERIODS OF CLOUDS...WITH COASTAL LOW CLOUDS AND FOG POSSIBLE EACH NIGHT.

&&

.AVIATION...

142046Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...THROUGH 15/0000 UTC...SCT-BKN CLOUDS IN THE 2500-6500 FT MSL LAYER AND UNRESTRICTED VIS. CLOUDS AOA 20000 FT MSL WILL CONTINUE TO DIMINISH FROM WEST TO EAST OVER SAN DIEGO AND RIVERSIDE COUNTIES. 15/0000-1600 UTC...CLOUDS THICKENING AND BECOMING BKN-OVC AGAIN...WITH BASES 2000-3000 FT MSL AND TOPS 4000-4500 FT MSL. LOCAL VIS 3-5 SM LIKELY ALONG WITH MOUNTAIN OBSCURATION. PARTIAL CLEARING 15/1600-2000 UTC.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...BKN-SCT CLOUDS AOA 20000 FT MSL DIMINISHING THROUGH THE DAY WITH UNRESTRICTED VIS CONTINUING THROUGH SATURDAY MORNING. W WINDS 15-25 KT WITH GUSTS 30-40 KT ALONG MOUNTAIN RIDGES...THROUGH AND BELOW CANYONS/PASSES...ALONG DESERT SLOPES AND INTO ADJACENT DESERT AREAS WILL CREATE MOD-STG UP/DOWNRAFTS AND LLWS OVER AND E OR NE OF THE MOUNTAINS.

&&

.MARINE...

1246 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH TUESDAY.

&&

.BEACHES...

1246 PM...BUOYS OVER THE SAN DIEGO COUNTY COASTAL WATERS SHOW A BUILDING WEST-NORTHWEST SWELL...WITH THE SAN CLEMENTE BASIN BUOY SHOWING SWELL HEIGHTS/PERIODS UP TO 6 FT/15 SECONDS...AND THE NEARSHORE CDIP BUOYS OFF OF SOUTHERN SAN DIEGO COUNTY SHOWING SWELL HEIGHTS/PERIODS OF 3-4 FT/15 SECONDS. THIS SWELL SHOULD PEAK AT 6-7 FT/14-16 SECONDS THIS AFTERNOON AND EVENING. THE SWELL WILL GENERATE ELEVATED SURF OF 3 TO 6 FEET AND STRONG RIP CURRENTS TODAY AND SATURDAY. LOCAL SETS OF 7 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS THIS AFTERNOON INTO SATURDAY MORNING.

SWELL AND SURF WILL SLOWLY LOWER LATE SATURDAY INTO MONDAY.

&&

.FIRE WEATHER...

OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL BRING AREAS OF STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. STRONGEST WINDS WILL BE SUNDAY MORNING INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. HUMIDITY BELOW 15 PERCENT WILL FOLLOW A FEW HOURS AFTER THE WINDS SURFACE. STRONG WINDS FOLLOWED BY VERY LOW HUMIDITY WILL DEVELOP SUNDAY EVENING IN THE MOUNTAINS OF RIVERSIDE AND SAN DIEGO COUNTIES. MINIMUM HUMIDITY WILL BE LESS THAN 10 PERCENT MONDAY IN MUCH OF THE INLAND VALLEYS AND MOUNTAIN FOOTHILLS. WINDS WILL DECREASE BY MONDAY AFTERNOON...BUT HUMIDITY WILL REMAIN VERY LOW UNTIL AFTER SUNSET.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...FIRE WEATHER WATCH FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

FIRE WEATHER WATCH FROM SUNDAY EVENING THROUGH MONDAY EVENING FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM SUNDAY EVENING THROUGH MONDAY AFTERNOON FOR THE RIVERSIDE COUNTY MOUNTAINS...SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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FXUS66 KSGX 142251 CCA

AFDSGX

AREA FORECAST DISCUSSION...CORRECTED
NATIONAL WEATHER SERVICE SAN DIEGO CA
250 PM PST FRI NOV 14 2014

.SYNOPSIS...

ALTHOUGH THIS COOLER WEATHER WILL CONTINUE THROUGH SATURDAY...DRY AND WARMER CONDITIONS WILL DEVELOP FOR SUNDAY THROUGH TUESDAY...AS HIGH PRESSURE BUILDS OVER THE REGION. OFFSHORE WINDS WILL DEVELOP THESE DAYS AS WELL...WITH GUSTY NORTHEAST WINDS NEAR THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILL AREAS. A SERIES OF TROUGHS WILL THEN MOVE INTO THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH THE ONSHORE FLOW AND COOLER CONDITIONS PREVAILING AS WELL AS THE NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG RETURNING.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY CONTINUES TO SHOW A TROUGH OF LOW PRESSURE SHIFTING EAST OF THE AREA THIS AFTERNOON...AS HIGH PRESSURE BEGINS TO BUILD OVER THE EASTERN PACIFIC. AS A RESULT...A FEW HIGH CLOUDS ARE STILL LINGERING OVER SAN DIEGO COUNTY...WHILE SOME COLD AIR CUMULUS ARE PREVALENT WEST OF THE MOUNTAINS. TEMPERATURES THIS AFTERNOON ARE RUNNING WITH A FEW DEGREES OF THIS TIME YESTERDAY...WITH UNSEASONABLY COOL CONDITIONS PREVAILING ACROSS THE REGION. THESE COOLER CONDITIONS WILL PREVAIL THROUGH SATURDAY AS WELL...AS DRY NORTHWESTERLY FLOW ALOFT CONTINUES TO FILTER INTO SOUTHERN CALIFORNIA.

A HIGH AMPLITUDE RIDGE OF HIGH PRESSURE WILL THEN REBUILD ALONG THE WEST COAST FOR SUNDAY THROUGH TUESDAY...WITH DRY AND WARMER CONDITIONS DEVELOPING ACROSS SOUTHERN CALIFORNIA. NORTHERLY WINDS WILL ALSO DEVELOP LATE SATURDAY NIGHT AND DURING THE DAY ON SUNDAY...BEFORE TRANSITIONING TO NORTHEASTERLY AND EASTERLY AS WELL AS SHIFTING SOUTHWARD INTO SAN DIEGO COUNTY OVERNIGHT AND ON MONDAY. AT THIS POINT IN TIME...THE MODELS ARE COMING INTO BETTER AGREEMENT WITH THE TIMING OF THIS WIND EVENT...INCREASING THE OFFSHORE WINDS ON SUNDAY AND INTO MONDAY...THEN WEAKENING WINDS FOR TUESDAY. ALTHOUGH IT WILL MOST LIKELY BE GRADIENT DRIVEN EVENT...THE 12Z NAM AND CANSAC WRF ARE SHOWING SOME DECENT UPPER LEVEL SUPPORT. THE 12Z CANSAC MM5 IS NOT AS STRONG THOUGH...AND AWAITING THE REST OF THE 12Z MODELS TO SEE WHAT THEY SHOW. AT THIS POINT IN TIME THOUGH...IT APPEARS LIKE A MODERATE TO LOCALLY STRONG SANTA ANA EVENT WILL BE POSSIBLE...WITH SOME LOCALLY STRONGER WINDS POSSIBLE THROUGH THE FAVORED AREAS. FOR THIS REASON...HAVE ISSUED A HIGH WIND WATCH FOR THE COASTAL MOUNTAIN SLOPES AND FAVORED PASSES

November 16, 2014 Exceptional Event, Imperial County

Appendix A

AND CANYONS. THIS SANTA ANA EVENT WILL ALSO BE A RELATIVELY COOL EVENT...WITH DAY TIME TEMPERATURES ONLY IN THE MID 70S TO AROUND 80. THAT BEING SAID...TEMPERATURES WEST OF THE MOUNTAINS WILL BE RUNNING 5 TO 10 DEGREES ABOVE NORMAL...WHILE THE MOUNTAIN AND DESERT AREAS WILL BE NEAR OR BELOW NORMAL.

A SERIES OF STORMS WILL THEN MOVE INLAND ALONG THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK...WITH ONSHORE FLOW AND COOLER CONDITIONS DEVELOPING ONCE AGAIN. CURRENTLY...IT LOOKS LIKE ONE SYSTEM SOME TIME AROUND WEDNESDAY AND ANOTHER FOR LATE THURSDAY AND FRIDAY. THE FIRST OF THESE WILL WEAKEN AS IT MOVES INTO THE WEST COAST...WITH ANY PRECIPITATION STAYING WELL TO OUR NORTH. AS FOR THE THURSDAY NIGHT AND FRIDAY SYSTEM...THE MODELS ARE STILL VARYING ON THE STRENGTH...WITH THE GEM AND ECMWF TRENDING STRONGER THAN THE 12Z GFS. FOR NOW...WILL KEEP THE FORECAST DRY...BUT MAY NEED TO THINK ABOUT ADDING SOME LOW POPS IF THERE IS SOME DECENT RUN TO RUN CONSISTENCY OF THE 12Z MODELS. OTHERWISE...JUST EXPECT SOME PERIODS OF CLOUDS...WITH COASTAL LOW CLOUDS AND FOG POSSIBLE EACH NIGHT.

&&

.AVIATION...

142046Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...THROUGH 15/0000 UTC...SCT-BKN CLOUDS IN THE 2500-6500 FT MSL LAYER AND UNRESTRICTED VIS. CLOUDS AOA 20000 FT MSL WILL CONTINUE TO DIMINISH FROM WEST TO EAST OVER SAN DIEGO AND RIVERSIDE COUNTIES. 15/0000-1600 UTC...CLOUDS THICKENING AND BECOMING BKN-OVC AGAIN...WITH BASES 2000-3000 FT MSL AND TOPS 4000-4500 FT MSL. LOCAL VIS 3-5 SM LIKELY ALONG WITH MOUNTAIN OBSCURATION. PARTIAL CLEARING 15/1600-2000 UTC.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...BKN-SCT CLOUDS AOA 20000 FT MSL DIMINISHING THROUGH THE DAY WITH UNRESTRICTED VIS CONTINUING THROUGH SATURDAY MORNING. W WINDS 15-25 KT WITH GUSTS 30-40 KT ALONG MOUNTAIN RIDGES...THROUGH AND BELOW CANYONS/PASSES...ALONG DESERT SLOPES AND INTO ADJACENT DESERT AREAS WILL CREATE MOD-STG UP/DOWNRAFTS AND LLWS OVER AND E OR NE OF THE MOUNTAINS.

&&

.MARINE...

1246 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH TUESDAY.

&&

.BEACHES...

1246 PM...BUOYS OVER THE SAN DIEGO COUNTY COASTAL WATERS SHOW A BUILDING WEST-NORTHWEST SWELL...WITH THE SAN CLEMENTE BASIN BUOY SHOWING SWELL HEIGHTS/PERIODS UP TO 6 FT/15 SECONDS...AND THE NEARSHORE CDIP BUOYS OFF OF SOUTHERN SAN DIEGO COUNTY SHOWING SWELL HEIGHTS/PERIODS OF 3-4 FT/15 SECONDS. THIS SWELL SHOULD PEAK AT 6-7 FT/14-16 SECONDS THIS AFTERNOON AND EVENING. THE SWELL WILL GENERATE ELEVATED SURF OF 3 TO 6 FEET AND STRONG RIP CURRENTS TODAY AND SATURDAY. LOCAL SETS OF 7 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS THIS AFTERNOON INTO SATURDAY MORNING.

SWELL AND SURF WILL SLOWLY LOWER LATE SATURDAY INTO MONDAY.

&&

.FIRE WEATHER...

OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL BRING AREAS OF STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. STRONGEST WINDS WILL BE SUNDAY MORNING INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. HUMIDITY BELOW 15 PERCENT WILL FOLLOW A FEW HOURS AFTER THE WINDS SURFACE. STRONG WINDS FOLLOWED BY VERY LOW HUMIDITY WILL DEVELOP SUNDAY EVENING IN THE MOUNTAINS OF RIVERSIDE AND SAN DIEGO COUNTIES. MINIMUM HUMIDITY WILL BE LESS THAN 10 PERCENT MONDAY IN MUCH OF THE INLAND VALLEYS AND MOUNTAIN FOOTHILLS. WINDS WILL DECREASE BY MONDAY AFTERNOON...BUT HUMIDITY WILL REMAIN VERY LOW UNTIL AFTER SUNSET.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...FIRE WEATHER WATCH FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

FIRE WEATHER WATCH FROM SUNDAY EVENING THROUGH MONDAY EVENING FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM SUNDAY EVENING THROUGH MONDAY AFTERNOON FOR THE RIVERSIDE COUNTY MOUNTAINS...SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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WWUS76 KSGX 150445

NPWSGX

URGENT - WEATHER MESSAGE

NATIONAL WEATHER SERVICE SAN DIEGO CA

845 PM PST FRI NOV 14 2014

...POTENTIALLY STRONG SANTA ANA WINDS TO DEVELOP ON SUNDAY AND MONDAY...

.STRONG SURFACE HIGH PRESSURE WILL BUILD INTO THE GREAT BASIN LATE SATURDAY NIGHT AND SUNDAY AND COMBINE WITH NORTH TO NORTHEAST FLOW ALOFT TO BRING AREAS OF STRONG GUSTY NORTHEAST WINDS TO SOUTHERN CALIFORNIA SUNDAY AND MONDAY. THE WINDS WILL DEVELOP FIRST OVER THE SAN BERNARDINO COUNTY MOUNTAINS...INLAND EMPIRE...NORTHERN PARTS OF THE COACHELLA VALLEY AND SANTA ANA MOUNTAINS VERY LATE SATURDAY NIGHT AND SUNDAY MORNING...THEN GRADUALLY SPREAD SOUTH INTO SAN DIEGO COUNTY BY SUNDAY EVENING. LOCAL WIND GUSTS COULD EXCEED 65 MPH. WINDS WILL GRADUALLY DIMINISH MONDAY AFTERNOON AND EVENING.

CAZ061-151400-

/O.EXA.KSGX.HW.A.0010.141116T1200Z-141118T0000Z/

COACHELLA VALLEY-

845 PM PST FRI NOV 14 2014

...HIGH WIND WATCH IN EFFECT FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND WATCH...WHICH IS IN EFFECT FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON.

* WINDS...NORTH TO NORTHEASTERLY WINDS 20 TO 30 MPH...WITH GUSTS TO 50 MPH. LOCAL GUSTS UP TO 60 MPH NEAR THE FOOTHILLS OF THE LITTLE SAN BERNARDINO MOUNTAINS.

* TIMING...LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON...WITH STRONGEST WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY MORNING.

* LOCATION...THROUGH AND BELOW CANYONS NEAR THE LITTLE SAN BERNARDINO MOUNTAINS AND ALONG HIGHWAY 62 AT THE NORTH END OF THE COACHELLA VALLEY.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

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CAZ042-048-055-057-151400-
/O.CON.KSGX.HW.A.0010.141116T1200Z-141118T0000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-SANTA ANA MOUNTAINS AND FOOTHILLS-
845 PM PST FRI NOV 14 2014

...HIGH WIND WATCH REMAINS IN EFFECT FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON...

* WINDS...NORTH TO NORTHEASTERLY WINDS 20 TO 30 MPH...WITH GUSTS TO 50 MPH. GUSTS UP TO 70 MPH THROUGH THE FAVORED PASSES AND CANYONS.

* TIMING...LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON...WITH STRONGEST WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

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CAZ050-056-058-151400-
/O.CON.KSGX.HW.A.0010.141117T0400Z-141118T0000Z/
SAN DIEGO COUNTY VALLEYS-RIVERSIDE COUNTY MOUNTAINS-

November 16, 2014 Exceptional Event, Imperial County

SAN DIEGO COUNTY MOUNTAINS-
845 PM PST FRI NOV 14 2014

...HIGH WIND WATCH REMAINS IN EFFECT FROM SUNDAY EVENING THROUGH
MONDAY AFTERNOON...

* WINDS...NORTHEAST TO EASTERLY WINDS 20 TO 30 MPH...WITH GUSTS TO
50 MPH. GUSTS UP TO 70 MPH THROUGH THE FAVORED PASSES AND
CANYONS.

* TIMING...SUNDAY EVENING THROUGH MONDAY AFTERNOON...WITH THE
STRONGEST WINDS OCCURRING LATE SUNDAY NIGHT AND MONDAY
MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND
FOOTHILLS AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS
HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF
58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST
FORECASTS.

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MAXWELL

IOWA STATE
UNIVERSITY

College of Ag

Department of Agronomy

495
FXUS66 KSGX 150558
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
930 PM PST FRI NOV 14 2014

.SYNOPSIS...
ONSHORE FLOW AND THE MARINE LAYER WILL CONTINUE OCCASIONAL
CLOUDINESS WEST OF THE MOUNTAINS THROUGH SATURDAY NIGHT WITH PATCHY
FOG MAINLY NEAR THE FOOTHILLS. COOL DAYS BUT MILD NIGHTS WILL
CONTINUE THROUGH SATURDAY NIGHT. OFFSHORE FLOW WILL DEVELOP LATE
SATURDAY NIGHT AND CONTINUE THROUGH MONDAY AND BRING STRONG GUSTY
NORTHEAST WINDS THROUGH AND BELOW PASSES AND CANYONS. THERE WILL BE
WARMER DAYS WEST OF THE MOUNTAINS EARLY NEXT WEEK. COOLER WEATHER
AND A RETURN TO THE MARINE LAYER WILL OCCUR BY MID-WEEK AS A TROUGH
OF LOW PRESSURE MOVES IN FROM THE WEST.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

PARTLY TO MOSTLY CLOUDY SKIES WERE OCCURRING WEST OF THE MOUNTAINS
WITH MODERATE ONSHORE FLOW...A 4-5 MB SURFACE PRESSURE GRADIENT FROM
SAN DIEGO TO THE LOWER DESERTS. NOT TOO MUCH CHANGE WILL OCCUR UNTIL
LATE SATURDAY NIGHT WHEN A STRONG SHORTWAVE ASSOCIATED WITH THE
BROAD COLD UPPER TROUGH COVERING MOST OF THE US MOVES SOUTH THROUGH
THE GREAT BASIN AND BRINGS COLDER AIR INTO THAT AREA AND SURFACE
HIGH PRESSURE. THAT WILL RESULT IN OFFSHORE FLOW AND STRONG GUSTY NE
WINDS THROUGH/BELOW PASSES/CANYONS AND BELOW MOUNTAIN CRESTS. THERE
WILL BE A COMBINATION OF STRONG SURFACE PRESSURE GRADIENTS...8 TO 10
MB OFFSHORE AT TIMES FROM LAS VEGAS TO SAN DIEGO AND SUPPORT ALOFT
FROM NORTH WINDS AND A STABLE LAYER WITH A POSSIBLE INVERSION JUST
ABOVE THE MOUNTAINTOP LEVELS...LOWERING TO ABOUT 4000 FEET ABOVE THE
VALLEY SURFACE BASED ON THE LOCAL WRF MODEL. THE ONSET OF THE WINDS
WILL BE BEFORE SUNRISE SUNDAY MORNING...WITH STRONGEST WINDS
APPEARING DURING THE DAY SUNDAY DUE TO THE STRONG STABLE LAYER ABOVE
THE MIXED LAYER BELOW GENERATED BY THE DAYTIME AND COMPRESSIONAL
HEATING. PEAK GUSTS OVER 65 MPH WILL BE POSSIBLE. THE WINDS WILL
GRADUALLY SHIFT SOUTH FROM THE SAN BERNARDINO MOUNTAINS/SANTA ANA
MOUNTAINS/INLAND EMPIRE INTO THE SAN DIEGO COUNTY MOUNTAINS LATE
SUNDAY/SUNDAY NIGHT...PARTLY DUE TO THE GRADUAL SHIFT IN WINDS
ALOFT FROM NORTHERLY TO MORE EASTERLY. THE FOCUS ON THE WINDS MONDAY
WILL BE MORE THROUGH BANNING PASS AND THE SAN DIEGO COUNTY
MOUNTAINS. TEMPS WILL INCREASE WEST OF THE MOUNTAINS WITH TUESDAY
BEING THE WARMEST DAY WITH WIDESPREAD 80S...THOUGH NIGHTS WILL BE
FAIRLY COOL DUE TO THE DRY AIR. ALSO...HUMIDITIES WILL BE QUITE LOW
OVER ALL AREAS. SEE THE FIRE WEATHER DISCUSSION FOR MORE DETAILS ON
THAT.

UPPER RIDGING WILL AMPLIFY JUST OFF THE WEST COAST SUNDAY/MONDAY AND
GRADUALLY MOVE EAST OVER CALIFORNIA TUESDAY BEFORE THE UPPER LOW
FROM THE PACIFIC MOVES TOWARDS NORTHERN CALIFORNIA. SOUTHERN
CALIFORNIA WILL HAVE A SHORTWAVE ASSOCIATED WITH THIS...BUT LIMITED
MOISTURE SHOULD MEAN THAT A MARINE LAYER SHOULD BE ALL THAT WE WILL
GET...WITH PRECIPITATION MOSTLY STAYING NORTH OF POINT CONCEPTION.
NOT MUCH CHANGE WILL OCCUR LATE IN THE WEEK...EXCEPT FOR PERHAPS A
LITTLE WEAKER ONSHORE FLOW AS WNW FLOW ALOFT PREVAILS WITH A WEAK
RIDGE OFF THE COAST.

&&

.AVIATION...
150400Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...LOW CLOUD
DECKS...WITH VARIOUS BASES FROM 1700 TO 4000 FT MSL AND TOPS NEAR
4500 FT MSL...WILL CONTINUE TO INCREASE IN COVERAGE THROUGH THIS
EVENING. VISIBILITY OF 4-6 SM BR/HZ WILL BE POSSIBLE SATURDAY
MORNING IN PORTIONS OF THE INLAND EMPIRE. MOUNTAIN OBSCURATION WILL
OCCUR ALONG THE COASTAL SLOPES. LOW CLOUDS WILL BECOME FEW/SCT LATE
SATURDAY MORNING INTO SATURDAY AFTERNOON...WITH BASES LIFTING
THROUGHOUT THE DAY. STRATUS...WITH SLIGHTLY LOWER TOPS AND
BASES...WILL REDEVELOP AGAIN LATE SATURDAY AFTERNOON.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...FEW/SCT HIGH CLOUDS
CONTINUING THROUGH SATURDAY MORNING. W WINDS 15-25 KT WITH GUSTS
30-40 KT ALONG MOUNTAIN RIDGES...THROUGH AND BELOW
CANYONS/PASSES...ALONG DESERT SLOPES AND INTO ADJACENT DESERT AREAS

November 16, 2014 Exceptional Event, Imperial County

Appendix A

WILL CREATE MOD-STG UP/DOWN DRAFTS AND LLWS OVER AND E OR NE OF THE MOUNTAINS.

&&

.MARINE...

800 PM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.BEACHES...

800 PM...A MODERATE W-NW SWELL WILL CONTINUE ELEVATED SURF OF 3 TO 6 FEET AND STRONG RIP CURRENTS THROUGH SATURDAY. LOCAL SETS OF 7 FEET ARE POSSIBLE ALONG W-NW BEACHES...ESPECIALLY NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS. SWELL AND SURF WILL SLOWLY LOWER SUNDAY AND MONDAY.

&&

.FIRE WEATHER... FROM PREVIOUS DISCUSSION...

OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL BRING AREAS OF STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. STRONGEST WINDS WILL BE SUNDAY MORNING INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. HUMIDITY BELOW 15 PERCENT WILL FOLLOW A FEW HOURS AFTER THE WINDS SURFACE. STRONG WINDS FOLLOWED BY VERY LOW HUMIDITY WILL DEVELOP SUNDAY EVENING IN THE MOUNTAINS OF RIVERSIDE AND SAN DIEGO COUNTIES. MINIMUM HUMIDITY WILL BE LESS THAN 10 PERCENT MONDAY IN MUCH OF THE INLAND VALLEYS AND MOUNTAIN FOOTHILLS. WINDS WILL DECREASE BY MONDAY AFTERNOON...BUT HUMIDITY WILL REMAIN VERY LOW UNTIL AFTER SUNSET.

&&

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...FIRE WEATHER WATCH FROM SUNDAY EVENING THROUGH MONDAY EVENING FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM SUNDAY EVENING THROUGH MONDAY AFTERNOON FOR THE RIVERSIDE COUNTY MOUNTAINS...SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

FIRE WEATHER WATCH FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM LATE SATURDAY NIGHT THROUGH MONDAY AFTERNOON FOR THE COACHELLA VALLEY...ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

PZ...NONE.

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PUBLIC...MAXWELL

AVIATION/MARINE...JJT

FIRE WEATHER...MM

National Weather Service Raw Text Product

Displaying AFOS PIL: **NPWPSR** Received: **2014-11-15 10:41 UTC**

← Previous in Time

View All KPSR Products for 15 Nov 2014

Next in Time →

Latest ProductView As Image

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907
WWUS75 KPSR 151041
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
341 AM MST SAT NOV 15 2014

...A STRONG COLD FRONT WILL MOVE THROUGH SUNDAY MORNING BRINGING
WINDY CONDITIONS TO PORTIONS OF SOUTHEAST CALIFORNIA AND SOUTHWEST
ARIZONA...

AZZ020-025-CAZ030>033-161045-
/O.NEW.KPSR.WI.Y.0012.141116T1200Z-141117T0000Z/
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...
FORTUNA FOOTHILLS...YUMA...COTTONWOOD VISITOR CENTER...BLYTHE...
CHIRIACO SUMMIT...DESERT CENTER...BRAWLEY...CALEXICO...EL CENTRO
341 AM MST SAT NOV 15 2014 /241 AM PST SAT NOV 15 2014/

...WIND ADVISORY IN EFFECT FROM 5 AM MST /4 AM PST/ TO 5 PM MST
/4 PM PST/ SUNDAY...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A WIND
ADVISORY...WHICH IS IN EFFECT FROM 5 AM MST /4 AM PST/ TO 5 PM
MST /4 PM PST/ SUNDAY.

* AFFECTED AREA...THE LOWER COLORADO RIVER VALLEY AND PORTIONS OF
SOUTHEASTERN CALIFORNIA...MAINLY NORTH AND EAST OF THE SALTON
SEA...INCLUDING PARKER...BLYTHE...EL CENTRO AND JOSHUA TREE
NATIONAL PARK.

* TIMING...SUNDAY MORNING AND AFTERNOON

* WINDS...NORTH WINDS 25 TO 35 MPH WITH GUSTS TO 45 MPH

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES ON
WEST TO EAST ORIENTED ROADWAYS SUCH AS I-10. PERIODS OF BLOWING
SAND AND DUST MAY REDUCE VISIBILITIES TO ONE MILE OR LESS AT
TIMES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

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802
FXUS65 KPSR 151052
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
350 AM MST SAT NOV 15 2014

.SYNOPSIS...
TRANQUIL WEATHER TODAY WILL BE FOLLOWED BY A STORM SYSTEM SUNDAY BRINGING A SLIGHT CHANCE OF LIGHT SHOWERS EAST OF PHOENIX. THIS SYSTEM WILL ALSO LEAD TO WINDY CONDITIONS THROUGH FAR WESTERN ARIZONA AND SOUTHEAST CALIFORNIA. COOLER AND DRIER CONDITIONS WILL PREVAIL MONDAY AND TUESDAY BEHIND A COLD FRONT WITH TEMPERATURES MODERATING FOR THE LATTER HALF OF NEXT WEEK.

&&

.DISCUSSION...
WELL-DEFINED SHORT WAVE TROUGH ACROSS THE GREAT BASIN WILL DROP STEADILY TOWARDS THE SOUTHERN ROCKIES TODAY. AHEAD OF THIS SYSTEM...NORTHWESTERLY FLOW ACROSS THE DESERT SOUTHWEST WILL ADVECT OCCASIONAL HIGH CLOUDS INTO THE AREA FROM THE EASTERN PACIFIC. WITH THE INCREASED INSOLATION COMPARED TO YESTERDAY...TEMPERATURES WILL BE 3 TO 5 DEGREES WARMER THAN THOSE OBSERVED FRIDAY AND RIGHT AROUND AVERAGE FOR THIS TIME OF YEAR.

MODELS HAVE TRENDED SOMEWHAT FASTER WITH THE PROGRESSION OF THE TROUGH THROUGH THE FORECAST AREA...PLACING THE STRONGEST VORTICITY-FORCED ASCENT GENERALLY ACROSS THE CO PLATEAU TONIGHT AND NEAR THE WHITE MOUNTAINS EARLY SUNDAY MORNING. PRECIPITATION IS MORE PROBABLE IN THESE AREAS. HOWEVER...IT IS CONCEIVABLE THAT A FEW SHOWERS MAY CLIP PORTIONS OF THE HIGHER TERRAIN FROM MARICOPA COUNTY EASTWARD SUNDAY MORNING. BIGGER IMPACT WILL BE THE INCREASE IN WIND BEHIND A COLD FRONT...PARTICULARLY DOWN THE CO RIVER VALLEY WHERE GUSTS MAY APPROACH 40 MPH DURING THE AFTERNOON. A WIND ADVISORY HAS BEEN ISSUED FOR THESE AREAS AS WELL AS PORTIONS OF SOUTHEASTERN CA. COOLER AND DRIER AIR WILL ALSO SETTLE ACROSS THE AREA A BIT FASTER AND THE OFFICIAL FORECAST IS A FEW DEGREES COOLER THAN THE PREVIOUS FORECAST.

THE AFOREMENTIONED TROUGH WILL EJECT RAPIDLY EASTWARD SUNDAY NIGHT. ALTHOUGH CONDITIONS FOR RADIATIONAL COOLING WILL NOT BE IDEAL...MINIMUM TEMPERATURES MONDAY MORNING WILL APPROACH FREEZING IN THE GLOBE AREA. ADDITIONAL COLD ADVECTION AND DRYING IS ANTICIPATED MONDAY AND FORECAST HIGHS WERE LOWERED AGAIN BASED ON THE LATEST STATISTICAL GUIDANCE. FORECAST HIGH TEMPERATURE OF 71 DEGREES IN PHOENIX WOULD BE THE COOLEST MAXIMUM SINCE EARLY APRIL. AFTERNOON DEWPOINTS WILL ALSO LIKELY DROP INTO THE TEENS OR EVEN SINGLE DIGITS ACROSS MUCH OF THE AREA.

HIGH AMPLITUDE RIDGE ACROSS THE WESTERN CONUS WILL WEAKEN AS IT TRANSLATES EASTWARD TUESDAY. GENERAL TREND WILL BE TOWARDS RISING HEIGHTS AND A GRADUAL WARMING TREND ACROSS THE REGION. DIFFERENCES IN THE OPERATIONAL MODELS EMERGE LATE IN THE WEEK WITH REGARD TO THE EVOLUTION OF SEVERAL PACIFIC SHORT-WAVE TROUGHS. UNCERTAINTY IS ELEVATED DURING THIS PERIOD...THOUGH CONFIDENCE IS HIGH THAT RAIN CHANCES WILL REMAIN NEGLIGIBLE.

&&

.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...AND SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...

CLOUDS CONTINUE TO DISSIPATE AND MOVE OFF TO THE EAST AS A DISTURBANCE EXITS INTO NEW MEXICO. RATHER ZONAL FLOW ALOFT EXPECTED NEXT 24 HOURS WITH VARIABLE AMOUNTS OF MAINLY HIGH CLOUDS SPREADING ACROSS THE AREA. FOR THE MOST PART HIGH CLOUD DECKS WILL BE FEW-SCT WITH BASES AOA 20K FEET. BOUNDARY LAYER MOISTURE LINGERS SO THERE MAY BE FEW-SCT CUMULUS/SC DECKS THRU SATURDAY EVENING ACROSS THE CENTRAL DESERTS WITH BASES MOSTLY 5-7K FEET. OTHERWISE...WINDS CONTINUE TO BE ON THE LIGHT SIDE...FAVORING NORMAL DIURNAL SPEEDS AND DIRECTIONS AT THE TAF SITES.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

November 16, 2014 Exceptional Event, Imperial County

Appendix A

.FIRE WEATHER...
SUNDAY THROUGH THURSDAY...
A COLD FRONT MOVING SOUTHWARD INTO THE SOUTHWEST SUNDAY WILL BRING
GUSTY NORTHERLY TO NORTHEASTERLY WINDS TO THE REGION...WITH THE
STRONGEST WINDS THROUGH THE LOWER COLORADO RIVER VALLEY. GUSTS UP TO
OR BRIEFLY EXCEEDING 40 MPH ARE POSSIBLE AT A FEW SPOTS. THIS FRONT
WILL REMAIN DRY AT MOST LOCATIONS EXCEPT PERHAPS A FEW LIGHT SHOWERS
OVER THE HIGHER TERRAIN EAST OF PHOENIX. MUCH LIGHTER WINDS WILL
PREVAIL THE REMAINDER OF THE WEEK. MUCH DRIER AND COOLER AIR BEHIND
THE AFOREMENTIONED COLD FRONT WILL PUSH MINIMUM HUMIDITIES DOWN FROM
THE TEENS AND 20S SUNDAY INTO THE SINGLE DIGITS-TEENS ON MONDAY AND
TUESDAY. RECOVERY BACK INTO THE TEENS AND 20S IS EXPECTED ON
WEDNESDAY AND THURSDAY. POOR OVERNIGHT RECOVERIES ON SUNDAY AND
MONDAY NIGHT WILL BECOME FAIR TO GOOD BY WEDNESDAY AND THURSDAY
NIGHT.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY FROM 5 AM TO 5 PM MST SUNDAY AZZ020-025.

CA...WIND ADVISORY FROM 4 AM TO 4 PM PST SUNDAY CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...HIRSCH
AVIATION...CB
FIRE WEATHER...PERCHA

November 16, 2014 Exceptional Event, Imperial County

Appendix A

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WMUS76 KSGX 151203
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
403 AM PST SAT NOV 15 2014

...PERIODS OF STRONG GUSTY SANTA ANA WINDS FOR SUNDAY INTO
MONDAY...

.STRONG SURFACE HIGH PRESSURE WILL BUILD INTO THE GREAT BASIN
LATE TONIGHT AND SUNDAY AND COMBINE WITH NORTH TO
NORTHEAST FLOW ALOFT TO BRING AREAS OF STRONG GUSTY NORTHEAST
WINDS TO SOUTHERN CALIFORNIA SUNDAY AND MONDAY. THE WINDS WILL
DEVELOP FIRST OVER THE SAN BERNARDINO COUNTY MOUNTAINS...INLAND
EMPIRE...NORTHERN PARTS OF THE COACHELLA VALLEY...AND THE SANTA
ANA MOUNTAINS VERY LATE TONIGHT AND SUNDAY MORNING...THEN
GRADUALLY SPREAD SOUTHWARD INTO SAN DIEGO COUNTY BY SUNDAY
EVENING. LOCAL WIND GUSTS COULD EXCEED 65 MPH. WINDS WILL WEAKEN
MONDAY AFTERNOON AND EVENING BUT COULD REMAIN NEAR ADVISORY
THRESHOLDS INTO TUESDAY.

CAZ042-048-055-057-061-152230-
/O.UPG.KSGX.HW.A.0010.141116T1200Z-141118T0000Z/
/O.NEW.KSGX.HW.W.0013.141116T1200Z-141117T2000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-SANTA ANA MOUNTAINS AND FOOTHILLS-
COACHELLA VALLEY-
403 AM PST SAT NOV 15 2014

...HIGH WIND WARNING IN EFFECT FROM 4 AM SUNDAY TO NOON PST
MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND
WARNING...WHICH IS IN EFFECT FROM 4 AM SUNDAY TO NOON PST MONDAY.
THE HIGH WIND WATCH IS NO LONGER IN EFFECT.

* WINDS...NORTH TO NORTHEAST 25 TO 35 MPH WITH GUSTS TO 60 MPH.
LOCAL GUSTS TO 75 MPH BELOW THE CAJON PASS AND ALONG THE COASTAL
SLOPES OF THE SANTA ANA MOUNTAINS.

* TIMING...LATE TONIGHT THROUGH MONDAY AFTERNOON...WITH
STRONGEST WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY
MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND
FOOTHILLS AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE THROUGH
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ056-152230-
/O.UPG.KSGX.HW.A.0010.141117T0400Z-141118T0000Z/
/O.NEW.KSGX.HW.W.0013.141116T1200Z-141117T2000Z/
RIVERSIDE COUNTY MOUNTAINS-
403 AM PST SAT NOV 15 2014

...HIGH WIND WARNING IN EFFECT FROM 4 AM SUNDAY TO NOON PST
MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A HIGH WIND
WARNING...WHICH IS IN EFFECT FROM 4 AM SUNDAY TO NOON PST MONDAY.
THE HIGH WIND WATCH IS NO LONGER IN EFFECT.

November 16, 2014 Exceptional Event, Imperial County

Appendix A

- * WINDS...NORTH TO NORTHEAST 25 TO 35 MPH WITH GUSTS TO 60 MPH.
- * TIMING...SUNDAY THROUGH MONDAY AFTERNOON...WITH STRONGEST WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY MORNING.
- * LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.
- * IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS.
- * OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE THROUGH TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ050-058-152230-
/O.EXT.KSGX.HW.A.0010.141117T0400Z-141117T2000Z/
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-
403 AM PST SAT NOV 15 2014

...HIGH WIND WATCH NOW IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY MORNING...

THE HIGH WIND WATCH IS NOW IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY MORNING.

- * WINDS...NORTHEAST 20 TO 30 MPH WITH GUSTS TO 55 MPH. GUSTS TO 70 MPH THROUGH THE FAVORED PASSES AND CANYONS.
- * TIMING...SUNDAY EVENING THROUGH MONDAY AFTERNOON...WITH THE STRONGEST WINDS OCCURRING LATE SUNDAY NIGHT AND MONDAY MORNING.
- * LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.
- * IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST.
- * OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WATCH MEANS THERE IS THE POTENTIAL FOR A HAZARDOUS HIGH WIND EVENT. SUSTAINED WINDS OF AT LEAST 40 MPH...OR GUSTS OF 58 MPH OR STRONGER MAY OCCUR. CONTINUE TO MONITOR THE LATEST FORECASTS.

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FOR A DETAILED MAP OF THE HAZARD:
WWW.WRH.NOAA.GOV/WRH/WHV/?WFO=SGX

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022

FXUS66 KSGX 151245

AFDSGX

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE SAN DIEGO CA

500 AM PST SAT NOV 15 2014

.SYNOPSIS...

ONSHORE FLOW AND THE MARINE LAYER WILL CONTINUE OCCASIONAL CLOUDINESS WEST OF THE MOUNTAINS THROUGH TONIGHT WITH PATCHY FOG MAINLY NEAR THE FOOTHILLS. OFFSHORE FLOW WILL DEVELOP LATE TONIGHT AND CONTINUE THROUGH MONDAY AND BRING STRONG GUSTY NORTHEAST WINDS THROUGH AND BELOW PASSES AND CANYONS WITH COOLING IN THE MOUNTAINS AND DESERTS AND WARMING WEST OF THE MOUNTAINS TOWARD THE COAST. WEAKER OFFSHORE FLOW FOR TUESDAY WITH WEAK ONSHORE FLOW RETURNING ON WEDNESDAY. INLAND AREAS WILL WARM FOR TUESDAY AND WEDNESDAY AND THE COAST WILL BRING TO COOL ON WEDNESDAY. FOR THE LATTER HALF OF THE WEEK...ONSHORE FLOW WILL BRING A COOLING TREND WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG FOR COASTAL AREAS.

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.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH MONDAY)...

ONSHORE FLOW WILL MAINTAIN A MARINE LAYER NEAR 3500 FEET DEEP THIS MORNING WITH GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS. OVERNIGHT AIRCRAFT SOUNDINGS SHOWN THE BASE OF THE PRIMARY MARINE INVERSION NEAR 3500 FEET WITH A SECOND WEAKER INVERSION AROUND 1200 TO 1500 FEET. SATELLITE IMAGERY SHOWS THE MOST EXTENSIVE STRATUS COVERAGE IN THE VALLEYS WITH PATCHIER COVERAGE TOWARD THE COAST AND OVER THE INNER COASTAL WATERS.

A SHORTWAVE MOVING SOUTHEASTWARD THROUGH THE GREAT BASIN WILL PUSH A COLD FRONT THROUGH SOUTHERN CALIFORNIA EARLY SUNDAY. SURFACE HIGH PRESSURE OVER THE GREAT BASIN BEHIND THE COLD FRONT COMBINED WITH MODERATELY STRONG NORTH TO NORTHEAST WINDS ALOFT WILL BRING PERIODS OF STRONG GUSTY NORTHEAST WINDS FOR SUNDAY INTO MONDAY. THE WINDS WILL DEVELOP FIRST OVER THE SAN BERNARDINO COUNTY MOUNTAINS...INLAND EMPIRE...NORTHERN PARTS OF THE COACHELLA VALLEY...AND THE SANTA ANA MOUNTAINS VERY LATE TONIGHT AND SUNDAY MORNING...THEN GRADUALLY SPREAD SOUTHWARD INTO SAN DIEGO COUNTY BY SUNDAY EVENING. LOCAL WIND GUSTS COULD EXCEED 65 MPH.

THE MOUNTAINS AND DESERTS WILL BE COOLER FOR SUNDAY AND MONDAY WITH WARMING WEST OF THE MOUNTAINS TOWARD THE COAST.

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.LONG TERM (MONDAY NIGHT THROUGH FRIDAY)...

OFFSHORE FLOW WILL WEAKEN FOR MONDAY NIGHT AND TUESDAY...BUT GUSTY NORTHEAST WINDS COULD STILL REMAIN NEAR ADVISORY THRESHOLDS.

ONSHORE FLOW WILL RETURN ON WEDNESDAY AND CONTINUE INTO NEXT WEEKEND. THERE REMAINS LITTLE MODEL TO MODEL AND RUN TO RUN CONSISTENCY WITH THE TIMING OF SHORTWAVES MOVING INLAND ALONG THE WEST COAST THE LATTER HALF OF NEXT WEEK. THE ONSHORE FLOW WILL BRING COOLING AND A RETURN OF THE MARINE LAYER WITH AREAS OF NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG. MOST PRECIPITATION OF SIGNIFICANCE IS EXPECTED TO REMAIN NORTH OF SOUTHERN CALIFORNIA.

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.AVIATION...

151030Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...MULTIPLE CLOUD LAYERS WITH BASES 3000-4500 FT MSL...LOCALLY DOWN TO 2000 FT MSL...WILL CONTINUE THROUGH THE MORNING. LOCAL VIS 3-5SM IN BR/HZ DEVELOPING IN THE INLAND VALLEYS. CLOUDS BECOMING FEW-SCT AND VIS UNRESTRICTED AFTER 16-18Z. CIGS REDEVELOPING AFTER 16/00Z WITH BASES 1500-2500 FT MSL AND TOPS TO 4500 FT MSL. CLOUDS CLEARING EARLY SUNDAY MORNING AS OFFSHORE FLOW DEVELOPS.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...SCT-BKN CLOUDS AOA 15000 FT MSL DECREASING THROUGH THE AFTERNOON. AREAS OF W WINDS 15-25 KT WITH GUSTS 30-40 KT WILL CREATE MOD-STG UP/DOWN DRAFTS AND LLWS OVER AND E OF THE MOUNTAINS THIS AFTERNOON AND EVENING.

&&

.MARINE...

235 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.BEACHES...

240 PM...A MODERATE W-NW SWELL WILL CONTINUE ELEVATED SURF OF 3 TO 5 FEET AND STRONG RIP CURRENTS TODAY. LOCAL SETS OF 6 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS. SWELL AND SURF WILL SLOWLY LOWER SUNDAY AND MONDAY.

&&

.FIRE WEATHER...

OFFSHORE FLOW WILL DEVELOP SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL BRING AREAS OF STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. STRONGEST WINDS WILL BE SUNDAY MORNING INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. WINDS WILL DEVELOP AROUND SUNRISE WITH HUMIDITIES FALLING THE CRITICAL THRESHOLDS BY NOON. THE STRONGER WINDS AND LOW HUMIDITIES WILL SPREAD SOUTHWARD INTO SAN DIEGO COUNTY SUNDAY EVENING AND CONTINUE INTO MONDAY. LOWEST DAYTIME HUMIDITIES OF 5 TO 10 PERCENT WITH POOR OVERNIGHT RECOVERY. LOW HUMIDITIES WILL CONTINUE INTO TUESDAY. OFFSHORE FLOW WILL WEAKEN SOME FOR MONDAY

NIGHT AND TUESDAY...BUT GUSTY NORTHEAST WINDS COULD REMAIN NEAR CRITICAL THRESHOLDS.

&&

.SKYWARN...

SKYWARN ACTIVATION WILL NOT BE NEEDED TODAY.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM 4 AM SUNDAY TO NOON PST MONDAY FOR THE COACHELLA VALLEY...ORANGE COUNTY COASTAL AREAS...RIVERSIDE COUNTY MOUNTAINS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

FIRE WEATHER WATCH FROM SUNDAY EVENING THROUGH MONDAY EVENING FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

FIRE WEATHER WATCH FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM SUNDAY EVENING THROUGH MONDAY MORNING FOR THE SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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PUBLIC/FIRE WEATHER...17
AVIATION/MARINE...SS

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644

FXUS66 KSGX 151725

AFDSGX

AREA FORECAST DISCUSSION

NATIONAL WEATHER SERVICE SAN DIEGO CA

925 AM PST SAT NOV 15 2014

.SYNOPSIS...

ONSHORE FLOW AND THE MARINE LAYER WILL CONTINUE...WITH OCCASIONAL CLOUDINESS WEST OF THE MOUNTAINS THROUGH MONDAY MORNING. SOME PATCHY FOG WILL BE POSSIBLE AGAIN TONIGHT...MAINLY NEAR THE FOOTHILLS. OFFSHORE FLOW WILL THEN DEVELOP LATE TONIGHT AND CONTINUE THROUGH MONDAY...BRINGING STRONG GUSTY NORTHEAST WINDS THROUGH AND BELOW THE PASSES AND CANYONS. COOLER CONDITIONS WILL PREVAIL IN THE MOUNTAINS AND DESERTS...BUT WARMER CONDITIONS WILL DEVELOP WEST OF THE MOUNTAINS TOWARD THE COAST. OFFSHORE FLOW WILL WEAKEN FOR TUESDAY...WITH WEAK ONSHORE FLOW RETURNING ON WEDNESDAY. INLAND AREAS WILL WARM FOR TUESDAY AND WEDNESDAY AND THE COAST WILL BRING TO COOL ON WEDNESDAY. FOR THE LATTER HALF OF THE WEEK...ONSHORE FLOW WILL BRING A COOLING TREND...WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG FOR COASTAL AREAS.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY ONCE AGAIN SHOWS A HIGHLY AMPLIFIED RIDGE OF HIGH PRESSURE ALONG 130 WEST THIS MORNING...WITH AN OMEGA BLOCK REMAINING WELL TO OUR NORTH. AT THIS POINT IN TIME...SOUTHERN CALIFORNIA REMAINS UNDER THE NORTHWESTERLY FLOW ALOFT...WITH SOME HIGH CLOUDS FILTERING THROUGH THIS FLOW. AS A RESULT...THE ONSHORE FLOW CONTINUES...WITH SOME LOW CLOUDS LINGERING WEST OF THE MOUNTAINS. EXPECT COOLER CONDITIONS TO CONTINUE TO PREVAIL TODAY ACROSS THE REGION...WITH TEMPERATURES REMAINING SIMILAR TO OR SLIGHTLY WARMER THAN YESTERDAY.

WATER VAPOR IMAGERY ALSO SHOWS MORE COLD AIR DIVING SOUTH FROM CANADA THIS MORNING...WITH A BACK DOOR COLD FRONT PUSHING SOUTH ACROSS OREGON...IDAHO...AND WYOMING. THIS COLD FRONT WILL PUSH THROUGH THE GREAT BASIN TODAY AND TONIGHT...AND ACROSS SOUTHERN CALIFORNIA EARLY SUNDAY MORNING. AS IT DOES AND A SURFACE HIGH PRESSURE BUILDS INTO THE GREAT BASIN...MODERATELY STRONG NORTH TO NORTHEAST WINDS WILL DEVELOP ACROSS OUR NORTHERN MOUNTAINS AND INLAND EMPIRE. THE MODELS NOW SHOW THE OFFSHORE PRESSURE GRADIENTS BETWEEN TONOPAH AND SAN DIEGO WILL PEAK AROUND 15 MB ON LATE SUNDAY MORNING...WITH 850 MB WINDS OF AT 50 KTS OR STRONGER DEPENDING ON THE MODEL. FOR THIS REASON...BELIEVE THE HIGH WIND WARNING FOR THE NORTHERN AREAS LOOKS ON TRACK AND GOOD TO GO FOR SUNDAY. THESE WINDS WILL TURN MORE NORTHEASTERLY AND EASTERLY LATE

November 16, 2014 Exceptional Event, Imperial County

Appendix A

IN THE DAY ON SUNDAY AS WELL AS SHIFT SOUTHWARD INTO SAN DIEGO COUNTY. THERE WILL LIKELY BE A SECONDARY PEAK LATE SUNDAY NIGHT AND MONDAY MORNING...EVEN THOUGH THE CURRENT MODEL RUNS ARE NOT QUITE AS STRONG WITH THE UPPER LEVEL SUPPORT. WILL AWAIT THE REST OF THE 12Z RUNS BEFORE DECIDING...BUT BELIEVE THAT THE SOUTHERN AREAS WILL ALSO NEED TO BE UPGRADED TO A HIGH WIND WARNING AS WELL. ALTHOUGH THE GRADIENTS AND THE UPPER LEVEL SUPPORT WEAKEN BY TUESDAY...SOME LOCALLY GUSTY CONDITIONS WILL LIKELY CONTINUE INTO THE DAY ON TUESDAY.

ALTHOUGH THIS COLDER AIR WILL KEEP THE MOUNTAINS AND DESERTS QUITE COOL FOR SUNDAY THROUGH TUESDAY...WARMER CONDITIONS WILL DEVELOP WEST OF THE MOUNTAINS...ESPECIALLY TOWARDS THE COAST. THIS COLDER AIR IS ALSO QUITE DRY...SO EXPECT THE HUMIDITY LEVELS TO DROP SIGNIFICANTLY FROM WHERE THEY HAVE BEEN...WITH THE MARINE LAYER COMPLETELY MIXING OUT DURING THE DAY ON SUNDAY. THE ONE OTHER POINT TO MENTION IS THAT AREAS THAT ARE WIND SHELTERED AREAS ON SUNDAY NIGHT AND MONDAY NIGHT WILL LIKELY SEE VERY CHILLY CONDITIONS...AND WILL NEED TO TAKE A CLOSER LOOK AT THE MIN TEMPERATURE FORECAST FOR THESE NIGHTS.

MODELS CONTINUE TO SHOW SEVERAL SYSTEMS MOVING INTO THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK AND WEEKEND...WITH THE ONSHORE FLOW RETURNING ON WEDNESDAY AND PREVAILING THROUGH THE WEEKEND. AS A RESULT...COOLER CONDITIONS WILL LIKELY DEVELOP...WITH LOW CLOUDS AND FOG RETURNS TO THE COASTAL AREAS. THE EXTENDED MODELS CONTINUE TO KEEP THE BRUNT OF THE MOISTURE WELL NORTH OF OUR AREA...SO CURRENTLY...OUR ONLY HOPE OF SOME PRECIPITATION WILL BE SOME MARINE LAYER DRIZZLE FOR MAYBE FRIDAY OR SATURDAY. UNFORTUNATELY...THERE ARE ENOUGH MODEL DIFFERENCES ON THE TIMING AND STRENGTH OF THIS LATTER SYSTEM THAT CONFIDENCE IS EVEN LOW IN DRIZZLE OCCURRING.

&&

.AVIATION...

151546Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...PATCHY BKN-SCT CLOUDS WITH BASES 2000-3000 FT MSL...TOPS 3500-4000 FT MSL...LOCAL VIS 3-5 SM...AND SOME MOUNTAIN OBSCURATION...WILL PARTIALLY CLEAR THROUGH 16/0000 UTC...WITH CLOUDS BECOMING FEW-SCT IN COVERAGE BY 1900 UTC. 16/0000-1200 UTC...CLOUDS BECOMING PATCHY BKN-OVC WITH BASES 1700-2500 FT MSL AND TOPS 3500-4000 FT MSL...WITH LOCAL VIS 3-5 SM AND SOME MOUNTAIN OBSCURATION OCCURRING AGAIN. 16/1200-1500 UTC...CLOUDS STARTING TO CLEAR OUT OF SAN BERNARDINO...RIVERSIDE AND ORANGE COUNTIES...AS DEVELOPING N TO NE WINDS 15-30 KT WITH GUSTS 30-45 KT BRING STG-SVR UP/DOWNRAFTS...POSSIBLE ROTORS...LOWERED VIS IN BLOWING DUST...AND LLWS WHERE WINDS DO NOT SURFACE.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...FEW-SCT CLOUDS AOA 15000 FT MSL THROUGH SUNDAY MORNING. THROUGH 16/1200 UTC...AREAS OF W WINDS 15-25 KT WITH GUSTS 30-40 KT WILL CREATE MOD-STG UP/DOWNRAFTS AND LLWS OVER AND E OF THE MOUNTAINS. AFTER 16/1200 UTC...DEVELOPING N TO NE WINDS 15-30 KT WITH GUSTS 30-45 KT WILL BRING STG-SVR UP/DOWNRAFTS...POSSIBLE ROTORS...LOWERED VIS IN BLOWING DUST/SAND...AND LLWS WHERE WINDS DO NOT SURFACE.

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.MARINE...

746 AM...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH WEDNESDAY.

&&

.BEACHES...

746 AM...THE SAN CLEMENTE BASIN BUOY INDICATES THAT THE WEST-NORTHWEST SWELL IS HOLDING STEADY AT AROUND 6-7 FT/13-14 SECONDS. THIS SWELL WILL CONTINUE TO BRING ELEVATED SURF OF 3 TO 5 FEET AND STRONG RIP CURRENTS TODAY. LOCAL SETS OF 6 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS. THE SWELL SHOULD GRADUALLY LOWER THROUGH TODAY AND MORE SIGNIFICANTLY SUNDAY AND MONDAY...RESULTING IN DIMINISHED SURF AND A LOWER RIP CURRENT THREAT.

&&

.FIRE WEATHER (FROM PREVIOUS DISCUSSION)...

OFFSHORE FLOW WILL DEVELOP ON SUNDAY AND CONTINUE THROUGH MONDAY. THIS WILL BRING AREAS OF STRONG NORTHEAST WINDS THROUGH/BELOW PASSES AND CANYONS AND BELOW MOUNTAIN CRESTS. STRONGEST WINDS WILL BE SUNDAY MORNING INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. WINDS WILL DEVELOP AROUND SUNRISE WITH HUMIDITIES FALLING THE CRITICAL THRESHOLDS BY NOON. THE STRONGER WINDS AND LOW HUMIDITIES WILL SPREAD SOUTHWARD INTO SAN DIEGO COUNTY SUNDAY EVENING AND CONTINUE INTO MONDAY. LOWEST DAYTIME HUMIDITIES OF 5 TO 10 PERCENT WITH POOR OVERNIGHT RECOVERY. LOW HUMIDITIES WILL CONTINUE INTO TUESDAY. OFFSHORE FLOW WILL WEAKEN SOME FOR MONDAY NIGHT AND TUESDAY...BUT GUSTY NORTHEAST WINDS COULD REMAIN NEAR CRITICAL THRESHOLDS. THEREFORE...A FIRE WEATHER WATCH REMAINS IN EFFECT FOR SUNDAY AND MONDAY.

&&

.SKYWARN...

SKYWARN ACTIVATION WILL NOT BE NEEDED TODAY.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM 4 AM SUNDAY TO NOON PST MONDAY FOR THE COACHELLA VALLEY...ORANGE COUNTY COASTAL AREAS...RIVERSIDE COUNTY MOUNTAINS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

FIRE WEATHER WATCH FROM SUNDAY EVENING THROUGH MONDAY EVENING FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER

DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

FIRE WEATHER WATCH FROM SUNDAY AFTERNOON THROUGH MONDAY EVENING
FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND
RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO
COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT
COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL
FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER
DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WATCH FROM SUNDAY EVENING THROUGH MONDAY MORNING FOR
THE SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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PUBLIC...PALMER
AVIATION/MARINE...HARRISON
FIRE WEATHER...17

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AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
115 PM PST SAT NOV 15 2014

.SYNOPSIS...
ALTHOUGH LOW CLOUDS WILL PREVAIL WEST OF THE MOUNTAINS THROUGH TONIGHT...A DRY COLD FRONT WILL MOVE ACROSS SOUTHERN CALIFORNIA DURING THE DAY ON SUNDAY...BRINGING STRONG AND GUSTY NORTH TO NORTHEAST WINDS TO THE NORTHERN MOUNTAINS AND VALLEYS. THESE WINDS WILL SHIFT SOUTHWARD INTO SAN DIEGO COUNTY...AND TURN MORE NORTHEAST AND EASTERLY SUNDAY NIGHT AND MONDAY. ALTHOUGH COOLER CONDITIONS WILL DEVELOP IN THE MOUNTAINS AND DESERTS...WARMER CONDITIONS WILL BE POSSIBLE WEST OF THE MOUNTAINS TOWARD THE COAST. THIS OFFSHORE FLOW WILL WEAKEN ON TUESDAY...WITH WEAK ONSHORE FLOW RETURNING ON WEDNESDAY. FOR THE LATTER HALF OF THE WEEK...ONSHORE FLOW WILL BRING A COOLING TREND...WITH AREAS OF NIGHT AND MORNING LOW CLOUDS AND FOG FOR COASTAL AREAS.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

WATER VAPOR IMAGERY CONTINUES TO SHOW A HIGHLY AMPLIFIED RIDGE OF HIGH PRESSURE ALONG 130 WEST THIS AFTERNOON...WITH AN OMEGA BLOCK REMAINING WELL TO OUR NORTH. AT THIS POINT IN TIME...SOUTHERN CALIFORNIA REMAINS UNDER THE NORTHWESTERLY FLOW ALOFT...WITH JUST A FEW HIGH CLOUDS FILTERING ACROSS SOUTHERN CALIFORNIA. AT THE SURFACE...ONSHORE FLOW CONTINUES TO PREVAIL...WITH STABLE LOW LEVEL CUMULUS LINGERING WEST OF THE MOUNTAINS. AS A RESULT...TEMPERATURES ARE RUNNING WITHIN A COUPLE OF DEGREES OF THIS TIME YESTERDAY...WITH WILL MAKE FOR ANOTHER COOL EVENING ACROSS THE REGION. THESE LOW CLOUDS WILL FILL IN TONIGHT...WITH SOME PATCHY FOG POSSIBLE NEAR THE COASTAL SLOPES.

WATER VAPOR IMAGERY ALSO SHOWS MORE COLD AIR DIVING SOUTH ACROSS THE INTERMOUNTAIN WEST THIS AFTERNOON AND INTO THE GREAT BASIN. THIS BACK DOOR COLD FRONT WILL CONTINUE TO PUSH SOUTHWARD TONIGHT AND ACROSS SOUTHERN CALIFORNIA ON SUNDAY. A STRONG SURFACE BASIN HIGH PRESSURE SYSTEM WILL THEN BUILD INTO THE GREAT BASIN DURING THE DAY. AS A RESULT...COOLER CONDITIONS WILL DEVELOP ACROSS THE MOUNTAINS AND DESERTS. HOWEVER...THE PRIMARY CONCERN WILL BE WITH THE MODERATELY STRONG NORTH TO NORTHEAST WINDS ACROSS OUR NORTHERN MOUNTAINS...INLAND EMPIRE...AND ORANGE COUNTY. THE MODELS CONTINUE TO SHOW THAT THE OFFSHORE PRESSURE GRADIENTS BETWEEN TONOPAH AND SAN DIEGO WILL PEAK AROUND 15 MB ON LATE SUNDAY MORNING...WITH 850 MB WINDS OF AT 50 KTS OR STRONGER DEPENDING ON THE MODEL. FOR THIS REASON...BELIEVE THE HIGH WIND WARNING FOR THE NORTHERN AREAS LOOKS ON TRACK...AND IS GOOD TO GO FOR SUNDAY. THESE WINDS WILL SHIFT SOUTHWARD INTO SAN DIEGO COUNTY LATE IN THE DAY ON SUNDAY...AND TURN MORE NORTHEASTERLY AND EASTERLY AS THEY DO. ALTHOUGH THE MODELS ARE SHOWING THAT THE GRADIENT AND THE UPPER LEVEL WIND SUPPORT WILL NOT BE QUITE AS STRONG ON MONDAY MORNING...IT STILL LOOKS LIKE HIGH WIND CRITERIA WILL BE MEANT...ESPECIALLY IN THE FAVORED CANYONS AND PASSES AS WELL AS ALONG THE COASTAL FOOTHILLS. THEREFORE...WILL UPGRADE THE HIGH WIND WATCH TO A WARNING WITH THE AFTERNOON PACKAGE. ALTHOUGH THE GRADIENTS AND THE UPPER LEVEL SUPPORT CONTINUE TO WEAKEN INTO TUESDAY...SOME LOCALLY GUSTY CONDITIONS WILL LIKELY BE POSSIBLE AGAIN ON TUESDAY MORNING.

ALTHOUGH THIS COLDER AIR WILL KEEP THE MOUNTAINS AND DESERTS QUITE COOL FOR SUNDAY THROUGH TUESDAY...WARMER CONDITIONS WILL DEVELOP WEST OF THE MOUNTAINS...ESPECIALLY TOWARDS THE COAST. THIS COLDER AIR IS ALSO QUITE DRY...SO EXPECT THE HUMIDITY LEVELS TO DROP SIGNIFICANTLY FROM WHERE THEY HAVE BEEN...WITH THE MARINE LAYER COMPLETELY MIXING OUT DURING THE DAY ON SUNDAY. THE ONE OTHER POINT TO MENTION IS THAT AREAS THAT ARE WIND SHELTERED AREAS ON SUNDAY NIGHT AND MONDAY NIGHT WILL LIKELY SEE VERY CHILLY CONDITIONS...DROPPING INTO THE 30S ON SUNDAY NIGHT. HAVE ADJUSTED TEMPERATURES DOWN A BIT IN THESE WIND SHELTERED AREAS...AND MAY NEED TO THINK ABOUT A FROST ADVISORY FOR THIS TIME PERIOD. FOR NOW...WILL HOLD OFF...BUT THIS IS SOMETHING TO CONTINUE TO WATCH.

THE EXTENDED MODELS CONTINUE TO SHOW SEVERAL SYSTEMS MOVING INTO THE WEST COAST FOR THE LATTER PART OF THE WORK WEEK AND WEEKEND. THERE

November 16, 2014 Exceptional Event, Imperial County

Appendix A

ARE STILL SEVERAL TIMING AND STRENGTH ISSUES WITH THESE SYSTEMS...ESPECIALLY THE LATTER SYSTEMS FOR FRIDAY AND THE WEEKEND. FOR NOW...EXPECT ONSHORE FLOW TO RETURN ON WEDNESDAY AND PREVAIL THROUGH THE WEEKEND...WITH COOLER CONDITIONS DEVELOPING AS WELL. COASTAL LOW CLOUDS AND FOG WILL ALSO REDEVELOP...AND SOME DENSE FOG MIGHT BE POSSIBLE DURING THE LATE NIGHT AND EARLY MORNING HOURS. ALTHOUGH THE EXTENDED MODELS CONTINUE TO KEEP THE BRUNT OF THE MOISTURE WELL NORTH OF OUR AREA THROUGH THE PERIOD...THE 12Z ECMWF IS NOW HINTING AT A STRONGER SYSTEM FOR FRIDAY AND SATURDAY...WHICH COULD BRING US SOME MOISTURE. GIVEN THAT THIS IS THE FIRST OF THE MODELS AND MODEL RUNS TO SHOW A WETTER SCENARIO FOR SOUTHERN CALIFORNIA...WILL KEEP THINGS DRY FOR NOW...BUT MAYBE SOME MARINE DRIZZLE IS NOT SO FAR FETCHED FOR FRIDAY OR SATURDAY.

&&

.AVIATION...
152104Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...THROUGH 16/0000 UTC...SCT-FEW CLOUDS BETWEEN ABOUT 2000 AND 5000 FT MSL AND UNRESTRICTED VIS. 16/0000-1200 UTC...CLOUDS BECOMING PATCHY BKN-OVC WITH BASES 1700-2500 FT MSL AND TOPS 3500-4000 FT MSL...WITH LOCAL VIS 3-5 SM AND SOME MOUNTAIN OBSCURATION. 16/1200-1500 UTC...CLOUDS STARTING TO CLEAR OUT OF SAN BERNARDINO...RIVERSIDE AND ORANGE COUNTIES...AS DEVELOPING N TO NE WINDS 15-30 KT WITH GUSTS 30-45 KT BRING STG-SVR UP/DOWNRAFTS...POSSIBLE ROTORS...LOWERED VIS IN BLOWING DUST...AND LLWS WHERE WINDS DO NOT SURFACE. CONFIDENCE IN LLWS AND WIND FORECAST FOR KSNA AND KONT IS MODERATE. STRATUS THEN CLEARING OUT OF SAN DIEGO COUNTY 16/1400-1700 UTC WITH SOME OF THE STRONG NE TO E WINDS CREATING SOME UP/DOWNRAFTS AND LLWS IN THAT AREA AS WELL.

MOUNTAIN RIDGES AND DESERT SLOPES/DESERTS...FEW-SCT CLOUDS AOA 15000 FT MSL THROUGH SUNDAY MORNING. THROUGH 16/1200 UTC...AREAS OF W WINDS 15-25 KT WITH GUSTS 30-40 KT WILL CREATE MOD-STG UP/DOWNRAFTS AND LLWS OVER AND E OF THE MOUNTAINS. AFTER 16/1200 UTC...DEVELOPING N TO NE WINDS 15-30 KT WITH GUSTS 30-45 KT WILL BRING STG-SVR UP/DOWNRAFTS...POSSIBLE ROTORS...LOWERED VIS IN BLOWING DUST/SAND...AND LLWS WHERE WINDS DO NOT SURFACE. CONFIDENCE IN WIND FORECAST FOR KPSP AND KTRM IS LOW-TO-MODERATE.

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.MARINE...
104 PM...NORTHEAST WIND GUSTS MAY APPROACH 20 TO 25 KT OVER THE CENTRAL AND NORTHERN SAN DIEGO COUNTY COASTAL WATERS SUNDAY AFTERNOON AND EVENING...BUT CONFIDENCE IS LOW THAT WIND SPEEDS AND AREA COVERAGE OF THE WINDS WILL REACH SMALL CRAFT ADVISORY THRESHOLDS. THUS...NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

&&

.BEACHES...
104 PM...THE SAN CLEMENTE BASIN BUOY INDICATES THAT THE WEST-NORTHWEST SWELL HAS LOWERED SLIGHTLY TO AROUND 6 FT/12-14 SECONDS. THIS SWELL WILL CONTINUE TO BRING ELEVATED SURF OF 3 TO 5 FEET AND STRONG RIP CURRENTS TODAY. LOCAL SETS OF 6 FEET ARE POSSIBLE NORTH OF NEWPORT BEACH AND SOUTH OF ENCINITAS. THE SWELL SHOULD GRADUALLY LOWER THROUGH TODAY AND MORE SIGNIFICANTLY SUNDAY AND MONDAY...RESULTING IN DIMINISHED SURF AND A LOWER RIP CURRENT THREAT.

&&

.FIRE WEATHER...
FIRE WEATHER WATCHES WILL BE CONVERTED TO RED FLAG WARNINGS WITH THE AFTERNOON PACKAGE...AS STRONG AND GUSTY NORTHEAST WINDS WILL DEVELOP ACROSS SOUTHERN CALIFORNIA SUNDAY AND MONDAY...FAVORING AREAS BELOW THE PASSES AND CANYONS...BELOW THE MOUNTAIN CRESTS...AND ALONG THE COASTAL SLOPES. THE STRONGEST WINDS WILL BE ON SUNDAY MORNING AND CONTINUE INTO THE AFTERNOON FOR A CORRIDOR FROM CAJON SUMMIT TO ORANGE COUNTY. THESE WINDS WILL DEVELOP AROUND SUNRISE...WITH HUMIDITIES FALLING THE CRITICAL THRESHOLDS AFTER 10 AM. THESE STRONG WINDS AND LOW HUMIDITIES WILL THEN SPREAD SOUTHWARD INTO SAN DIEGO COUNTY BY SUNDAY EVENING...AND CONTINUE INTO MONDAY. DAYTIME HUMIDITIES WILL FALL INTO THE SINGLE DIGITS EACH DAY THROUGH TUESDAY...WITH WIDESPREAD POOR OVERNIGHT RECOVERIES DEVELOPING. ALTHOUGH THE OFFSHORE FLOW WILL WEAKEN SOME FOR MONDAY NIGHT AND TUESDAY...GUSTY NORTHEAST WINDS MAY REMAIN NEAR CRITICAL THRESHOLDS.

&&

November 16, 2014 Exceptional Event, Imperial County

Appendix A

.SKYWARN...

SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE
ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

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.SGX WATCHES/WARNINGS/ADVISORIES...

CA...HIGH WIND WARNING FROM 4 AM SUNDAY TO NOON PST MONDAY FOR THE
COACHELLA VALLEY...ORANGE COUNTY COASTAL AREAS...RIVERSIDE
COUNTY MOUNTAINS...SAN BERNARDINO COUNTY MOUNTAINS...SAN
BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...
SANTA ANA MOUNTAINS AND FOOTHILLS.

RED FLAG WARNING FROM 8 PM SUNDAY TO 8 PM PST MONDAY FOR THE
RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER
DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO
COUNTY INLAND VALLEYS...SAN DIEGO COUNTY
MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER
DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

RED FLAG WARNING FROM 10 AM SUNDAY TO 8 PM PST MONDAY FOR THE
ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE
COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY
MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY
RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...
SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT
OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WARNING FROM 8 PM SUNDAY TO NOON PST MONDAY FOR THE
SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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PUBLIC/FIRE WEATHER...PALMER
AVIATION/MARINE...HARRISON

7
767
FXUS65 KPSR 160341
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
840 PM MST SAT NOV 15 2014

.SYNOPSIS...
A STORM SYSTEM WILL DESCEND INTO THE FOUR CORNERS REGION SUNDAY BRINGING A SLIGHT CHANCE OF LIGHT SHOWERS EAST OF PHOENIX...AS WELL AS WINDY CONDITIONS THROUGH FAR WESTERN ARIZONA AND SOUTHEAST CALIFORNIA. MUCH COOLER AND DRIER CONDITIONS WILL PREVAIL MONDAY AND TUESDAY BEHIND A COLD FRONT WITH TEMPERATURES MODERATING FOR THE LATTER HALF OF NEXT WEEK.

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.DISCUSSION...
RELATIVELY COLD BUT NOT OVERLY WET PACIFIC STORM SYSTEM CONTINUES TO TAKE SHAPE OVER PORTIONS OF THE PAC NW...NRN NV AND UT THIS EVENING...AND IT WILL DIVE QUICKLY SOUTHEASTWARDS TOWARDS ARIZONA TONIGHT. BY EARLY MORNING...THE ASSOCIATED COLD FRONT WILL BE MOVING INTO THE FAR NRN PORTION OF OUR AREA...OVER NRN LA PAZ AND MARICOPA COUNTIES...AS WELL AS CENTRAL GILA COUNTY. LATEST PLOT DATA INDICATED THAT THE PRIMARY HEIGHT FALLS WERE STILL WELL NORTH OF AZ...AND IN FACT THERE WERE NO 12HR H5 HEIGHT CHANGES NOTED AT TUS OR FLG PER THE LATEST PLOT DATA. AREA SOUNDINGS SHOWED A SOMEWHAT DRY WEST TO NORTHWEST FLOW ALOFT ACROSS THE STATE...AND IR IMAGERY AT 8 PM DEPICTED MOSTLY CLEAR SKIES ACROSS THE AREA. PROGS AGREE THAT AS THE LOW DIVES SOUTHEAST TONIGHT STRONG PVA/UVV WILL DEVELOP EAST OF PHOENIX...MAINLY OVER HIGHER TERRAIN AREAS OF SRN GILA COUNTY...AND A SLIGHT CHANCE OF SHOWERS WILL DEVELOP. ELSEWHERE...THERE WILL BE SOME INCREASE IN MAINLY HIGH CLOUDS AS THE SYSTEM APPROACHES. FOR THE REST OF TONIGHT EXPECT INCREASING CLOUDS...MAINLY ACROSS SOUTH CENTRAL AZ...ALONG WITH INCREASING WIND LATE AND MILD OVERNIGHT TEMPS. CURRENT FORECASTS LOOK TO BE IN GOOD SHAPE AND NO UPDATES ARE NEEDED ATTM.

.PREVIOUS DISCUSSION...
A WELL DEFINED SHORTWAVE TROUGH AND ELONGATED PV ANOMALY OVER ERN OREGON THIS AFTERNOON WILL DRIVE SOUTH OVERNIGHT IN HIGHLY AMPLIFIED MERIDIONAL FLOW...REACHING THE FOUR CORNERS REGION EARLY SUNDAY MORNING. WITH A SOMEWHAT FASTER FORWARD PROPAGATION SPEED...COLLOCATED AVAILABLE MOISTURE AND VORTICITY FORCED ASCENT WILL ALIGN OVER THE COLORADO PLATEAU/WHITE MOUNTAIN/SRN GILA COUNTY REGION AROUND SUNRISE. BUFR SOUNDING DATA INDICATES SUBSTANTIAL MIDLEVEL CAA AND STEEPENING LAPSE RATES SUCH THAT A SEVERAL HOUR PERIOD OF SCATTERED SHOWERS WILL PREVAIL OVER HIGHER TERRAIN EAST OF THE PHOENIX METRO (GENERALLY BEFORE NOON).

THE LARGEST SENSIBLE WEATHER THREAT SUNDAY WILL BE STRONG WINDS AND ASSOCIATED IMPACTS THROUGH THE WRN PARTS OF THE FORECAST AREA. THE UPSTREAM FLOW AMPLIFICATION WILL FORCE SIGNIFICANT SFC PRESSURE RISES (1040+ MB SFC HIGH OVER THE GREAT BASIN) AND A STEEP POST FRONTAL PRESSURE GRADIENT BLEEDING INTO THE LOWER COLORADO RIVER VALLEY. ALL MODEL OUTPUT SUGGESTS A KLAS-KNYL SFC GRADIENT OF AT LEAST 10MB...AND DEEP CAA PROMOTING EFFICIENT MIXING OF A H9-H8 NORTHERLY LLJ. ORIENTATION OF THE RIVER VALLEY WILL ONLY AID IN FUNNELING STRONG NLY WINDS...AND HISTORICAL EVENTS AND MODEL OUTPUT INDICATE WIDESPREAD GUSTS IN THE 35-40KT RANGE. WIND ADVISORY WILL CONTINUE WITH IMPACTS INCLUDING 1) DIFFICULT DRIVING CONDITIONS IN CROSS WINDS ALONG I-10 AND I-8 FOR HIGH PROFILE VEHICLES...2) PATCHY BLOWING DUST (AND SAND IN LOCALIZED CASES)...AND 3) AN ELEVATED FIRE DANGER ALONG THE COLORADO RIVER WHERE FUEL SOURCES ARE MORE DENSE.

THE AFOREMENTIONED SHORTWAVE TROUGH WILL EJECT RAPIDLY EASTWARD SUNDAY NIGHT WITH STRONG SUBSIDENCE OVERSPREADING THE REGION. WITH THE PRESSURE GRADIENT STILL SOMEWHAT TIGHT MONDAY MORNING...CONDITIONS FOR RADIATIONAL COOLING WILL NOT BE OPTIMAL WITH SOME MECHANICAL MIXING AND RELUCTANCE TOWARDS FORMING A DEEP NOCTURNAL INVERSION STILL NOTED. HOWEVER...VIRTUALLY ALL NUMERICAL GUIDANCE CONTINUES TO TREND COLDER...AND ESPECIALLY FOR MORE SHELTERED ELEVATED VALLEY LOCATIONS (INCLUDING THE GLOBE VICINITY) SUBFREEZING TEMPERATURES ARE LOOKING MORE LIKELY. HOWEVER WITH THE ABOVE MENTIONED UNCERTAINTY LOOMING...HAVE ONLY ISSUED A FREEZE WATCH FOR THE POPULATION CENTERS OF GLOBE-MIAMI AT THIS TIME.

ALTHOUGH SOME MODEL EVIDENCE EXISTS SUGGESTING PREVIOUS FORECAST

November 16, 2014 Exceptional Event, Imperial County

Appendix A

HIGH TEMPERATURES MAY BE SLIGHTLY TOO WARM MONDAY AND TUESDAY...HAVE
HELD OFF ON MAKING ANY WHOLESAL CHANGES. REGARDLESS...A BRIEF 2 DAY
PERIOD OF BELOW AVERAGE TEMPERATURES (PARTICULARLY WITH RESPECT TO
MORNING LOWS) WILL BE THE FIRST SUCH STRETCH SINCE THE BEGINNING OF
THE MONTH. OTHERWISE...A HIGH AMPLITUDE RIDGE ACROSS THE WESTERN
CONUS WILL WEAKEN AS IT TRANSLATES EASTWARD TUESDAY. THE GENERAL
TREND WILL BE TOWARDS RISING HEIGHTS AND A GRADUAL WARMING TREND
ACROSS THE REGION. DIFFERENCES IN THE OPERATIONAL MODELS EMERGE LATE
IN THE WEEK WITH REGARD TO THE EVOLUTION OF SEVERAL PACIFIC
SHORT-WAVE TROUGHS. UNCERTAINTY IS ELEVATED DURING THIS
PERIOD...THOUGH CONFIDENCE IS HIGH THAT RAIN CHANCES WILL REMAIN
NEGLEGIBLE.

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.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...
HIGH LEVEL CIRRUS SCT-BKN IN NATURE IS EXPECTED TO STREAM IN FROM
W-NW REMAINING AOA 20KFT LATER TONIGHT AHEAD OF AN APPROACHING PAC
STORM SYSTEM. SFC WINDS TO FOLLOW DIURNALLY DRIVEN HEADINGS THROUGH
THE EVENING WITH MOSTLY LIGHT SPEEDS. THE APPROACHING WEATHER SYSTEM
AND COLD FRONT THROUGH THE GREAT BASIN STATES EARLY SUNDAY AM WILL
LEAD TO ELEVATED EASTERLY WINDS ACROSS THE PHX AREA FOR SUNDAY
AM...MOSTLY AFTER 16/14Z AND LATER INTO THE AM. WINDS WILL THEN
TRANSITION TO NORTHERLY HEADINGS WITH SUSTAINED VALUES PUSHING INTO
THE 10-15KT RANGE BY MIDDAY AND INTO THE AFTN. CENTRAL DESERT TAF
SITES MAY SEE FEW-SCT CU/SC DECKS DEVELOP BY 12Z AS STRONG FORCING
FROM THE SYSTEM MOVES IN...AND BKN CONDITIONS MAY EVEN OCCUR AT
TIMES FROM 12Z THRU 16Z OR SO. BASES GENLY 6-8K FEET. EXPECT
CLEARING FROM THE WEST BY 18Z AS A DRIER AND MORE SUBSIDENT AIRMASS
MOVES IN BEHIND THE COLD FRONT.

SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...
TONIGHT...MOSTLY CLEAR SKIES AND INCREASING WINDS FOLLOWING TYPICAL
DIURNAL HEADINGS EXPECTED THROUGH 16/10Z OR SO. A STRONG COLD FRONT
WILL MOVE INTO THE AREA AROUND 10-12Z SUNDAY BRINGING STRONG GUSTY
WINDS FOR KBLH AND ELEVATED WINDS FOR KIPL FOR THE DAYTIME HOURS
SUNDAY. WINDS WILL GENLY HOLD NW-N HEADINGS WITH POTENTIAL GUSTS
PUSHING 40KTS FOR KBLH AND 25KTS FOR KIPL THROUGH THE DAY. THERE IS
POTENTIAL FOR SOME BLOWING DUST/SAND ACROSS THE REGION WHICH MAY
REDUCE LONGER RANGE VSBYS AND PERIODICALLY REDUCE AIRFIELD VSBYS.
VSBY REDUCTIONS NOT INCLUDED IN THE 06Z TAF PACKAGE.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
TUESDAY THROUGH SATURDAY...
PRESSURE GRADIENTS AND WINDS WILL BEGIN TO RELAX TUESDAY IN THE WAKE
OF THE WEEKEND/S COLD FRONT WITH CONTINUED DRY HUMIDITIES. SINGLE
MINIMUM HUMIDITIES WILL SLOWLY IMPROVE INTO THE TEENS FOR THE
MIDDLE OF NEXT WEEK AND THEN INTO THE 20S FOR LATE NEXT WEEK.
TEMPERATURES WILL BE COOLER THROUGH THE PERIOD...OR ACTUALLY RIGHT
AROUND SEASONAL NORMALS.

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.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY FROM 5 AM TO 5 PM MST SUNDAY AZZ020-025.

FREEZE WATCH FROM LATE SUNDAY NIGHT THROUGH MONDAY MORNING
AZZ024.

CA...WIND ADVISORY FROM 4 AM TO 4 PM PST SUNDAY CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...CB
PREVIOUS DISCUSSION...MO/HIRSCH
AVIATION...CB/NOLTE
FIRE WEATHER...NOLTE/KUHLMAN

⌈
442
WMUS76 KSGX 160513
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
913 PM PST SAT NOV 15 2014

...PERIODS OF STRONG GUSTY SANTA ANA WINDS FOR SUNDAY INTO
MONDAY...

.SURFACE HIGH PRESSURE OVER THE GREAT BASIN AND STRONG NORTH TO
NORTHEAST FLOW ALOFT WILL FORCE AREAS OF STRONG AND GUSTY NORTHEAST
WINDS ACROSS PORTIONS OF SOUTHERN CALIFORNIA ON SUNDAY AND MONDAY.
THE WINDS WILL DEVELOP FIRST OVER THE SAN BERNARDINO COUNTY
MOUNTAINS...INLAND EMPIRE...NORTHERN PARTS OF THE COACHELLA
VALLEY...AND THE SANTA ANA MOUNTAINS VERY LATE TONIGHT AND SUNDAY
MORNING...THEN GRADUALLY SPREAD SOUTHWARD INTO SAN DIEGO COUNTY BY
SUNDAY EVENING. LOCAL WIND GUSTS COULD EXCEED 65 MPH. THESE
OFFSHORE WINDS WILL WEAKEN MONDAY AFTERNOON AND EVENING...BUT
COULD REMAIN NEAR ADVISORY THRESHOLDS INTO TUESDAY.

CAZ042-048-055>057-061-161300-
/O.CON.KSGX.HW.W.0013.141116T1200Z-141117T2000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SANTA ANA MOUNTAINS AND FOOTHILLS-COACHELLA VALLEY-
913 PM PST SAT NOV 15 2014

...HIGH WIND WARNING REMAINS IN EFFECT FROM 4 AM SUNDAY TO NOON
PST MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 4 AM SUNDAY TO NOON
PST MONDAY.

* WINDS...NORTH TO NORTHEAST 25 TO 35 MPH...WITH GUSTS TO 60 MPH.
LOCAL GUSTS TO 75 MPH BELOW THE CAJON PASS AND ALONG THE COASTAL
SLOPES OF THE SANTA ANA MOUNTAINS.

* TIMING...LATE TONIGHT THROUGH MONDAY AFTERNOON...WITH STRONGEST
WINDS OCCURRING ON SUNDAY MORNING AND AGAIN MONDAY MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS
AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE THROUGH
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ050-058-161300-
/O.CON.KSGX.HW.W.0013.141117T0400Z-141117T2000Z/
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-
913 PM PST SAT NOV 15 2014

...HIGH WIND WARNING REMAINS IN EFFECT FROM 8 PM SUNDAY TO NOON
PST MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT FROM 8 PM SUNDAY TO NOON
PST MONDAY.

* WINDS...NORTHEAST 20 TO 30 MPH WITH GUSTS TO 55 MPH. GUSTS TO
NEAR 70 MPH THROUGH THE FAVORED PASSES AND CANYONS.

* TIMING...SUNDAY EVENING THROUGH MONDAY AFTERNOON...WITH THE
STRONGEST WINDS OCCURRING LATE SUNDAY NIGHT AND MONDAY
MORNING.

November 16, 2014 Exceptional Event, Imperial County

Appendix A

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND
FOOTHILLS AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY OFFSHORE WINDS WILL CONTINUE THROUGH
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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JAD

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FXUS66 KSGX 161045
AFDSGX

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SAN DIEGO CA
245 AM PST SUN NOV 16 2014

.SYNOPSIS...
SURFACE HIGH PRESSURE OVER THE GREAT BASIN WILL BRING STRONG GUSTY NORTHEAST WINDS INTO MONDAY WITH WEAKER WINDS CONTINUING INTO TUESDAY. HIGH TEMPERATURES WILL COOL FOR INLAND AREAS AND WARM TOWARDS THE COAST TODAY WITH WARMING FOR MOST AREAS FOR MONDAY AND TUESDAY. ONSHORE FLOW WILL RETURN ON WEDNESDAY THROUGH THE END OF THE WEEK WITH COOLING AND A RETURN OF NIGHT AND MORNING COASTAL LOW CLOUDS AND FOG. A LOW PRESSURE SYSTEM MOVING INLAND ACROSS CALIFORNIA LATE FRIDAY AND EARLY SATURDAY COULD BRING PRECIPITATION.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

.SHORT TERM (TODAY THROUGH TUESDAY)...
RECENT AIRCRAFT SOUNDINGS SHOW THE BASE OF THE MARINE INVERSION AT AROUND 3500 FEET WITH WEST TO NORTHWEST WINDS ALOFT. SATELLITE IMAGERY SHOWS AREAS OF LOW CLOUDS WEST OF THE MOUNTAINS WITH GREATEST COVERAGE ON THE LOWER COASTAL SLOPES AND ADJACENT FOOTHILLS WITH LESSER COVERAGE TOWARDS THE COAST AND OVER THE COASTAL WATERS. THE LOW CLOUDS ARE EXPECTED TO SCATTER OUT AROUND SUNRISE FOR NORTHERN AREAS AND DURING THE MORNING FOR SAN DIEGO COUNTY AS OFFSHORE FLOW DEVELOPS AND STRENGTHENS. GUSTY WEST WINDS IN THE MOUNTAINS AND DESERTS HAVE BECOME NORTHWEST AND HAVE WEAKENED SOMEWHAT FROM THE EVENING THOUGH WITH STRONGEST GUSTS STILL TO AROUND 45 MPH. THE TRANSITION TO NORTH FLOW WILL CONTINUE THROUGH SUNRISE AND TO THE NORTHEAST DURING THE MORNING. GUSTY SANTA ANA WINDS ARE EXPECTED TO DEVELOP FOR NORTHERN AREAS AROUND SUNRISE...BELOW THE CAJON PASS AND IN THE SANTA ANA MOUNTAINS AND FOOTHILLS...THEN STRENGTHEN DURING THE MORNING AND SPREAD SOUTHWARD INTO SAN DIEGO COUNTY DURING THE AFTERNOON AND EVENING. VERTICAL CROSS SECTIONS OF THE HIGHER RESOLUTIONS SHOW STRONGEST WINDS MOSTLY CONFINED TO THE COASTAL MOUNTAIN SLOPES AND ADJACENT FOOTHILLS. FOR NORTHERN AREAS...WINDS ARE STRONGEST TODAY WITH LOCAL GUSTS TO AROUND 75 MPH POSSIBLE ALONG THE COASTAL SLOPES OF THE SANTA ANA MOUNTAINS...WITH WINDS NOT AS STRONG FOR TONIGHT INTO MONDAY THOUGH WITH ISOLATED GUSTS REACHING WARNING CRITERIA POSSIBLE. FOR SAN DIEGO COUNTY...STRONGEST WINDS ARE EXPECTED FOR LATE TONIGHT INTO MONDAY MORNING. WEAKER NORTHEAST WINDS ARE EXPECTED FOR MONDAY NIGHT INTO TUESDAY.

HIGH TEMPERATURES TODAY WILL COOL 5 TO 10 DEGREES IN THE MOUNTAINS AND DESERTS AND WARM 5 TO LOCALLY 10 DEGREES WEST OF THE MOUNTAINS TOWARDS THE COAST WITH WARMING FOR MOST AREAS FOR MONDAY AND TUESDAY. OVERNIGHT LOW TEMPERATURES WILL BE COOL IN WIND SHELTERED LOCATIONS AND WARMER WHERE MIXING OCCURS. LOW TEMPERATURES TONIGHT COULD FALL TO NEAR FREEZING IN THE UPPER DESERTS WITH FROST POSSIBLE...WITH SLIGHTLY WARMER TEMPERATURES AND PATCHIER FROST FOR MONDAY NIGHT INTO TUESDAY.

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.LONG TERM (WEDNESDAY THROUGH SATURDAY)...
ONSHORE FLOW WILL RETURN ALONG WITH NIGHT AND MORNING LOW CLOUDS AND FOG AND COOLING. TIMING AND INTENSITY OF SHORTWAVES MOVING EASTWARD ACROSS THE PACIFIC INTO THE WEST COAST MOSTLY FOLLOWS THE ECMWF ENSEMBLE MEAN WITH THE PARALLEL RUN OF THE GFS MOST SIMILAR AMONG THE AVAILABLE DETERMINISTIC GLOBAL MODEL RUNS. THIS WOULD BRING A WEAK SHORTWAVE INLAND ACROSS CALIFORNIA WEDNESDAY FOLLOWED BY WEAK SHORTWAVE RIDGING FOR THURSDAY. A LOW PRESSURE SYSTEM WOULD MOVE INLAND ACROSS CALIFORNIA LATE FRIDAY AND EARLY SATURDAY WITH SUFFICIENT AMPLITUDE AND MOISTURE TO BRING PRECIPITATION TO SOUTHERN CALIFORNIA.

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.AVIATION...
1610Z...COAST/VALLEYS/COASTAL MOUNTAIN SLOPES...SCT-BKN CLOUD LAYERS BETWEEN 1500-4000 FT MSL WILL CONTINUE THROUGH 12Z...WITH GRADUAL EROSION FROM NORTH TO SOUTH BETWEEN 12Z AND 16Z. AFTER

November 16, 2014 Exceptional Event, Imperial County

Appendix A

16Z...VARIABLE CLOUDS ABOVE 15000 FT MSL THROUGH MON MORNING.

BY 12Z...LLWS AND MOD-SVR UDDFS WILL DEVELOP VCNTY KONT AND KSNA AND AREAS OF N-NE SURFACE WINDS 15-30 KT WITH GUSTS 30-50 KT DEVELOPING BELOW/THROUGH PASSES/CANYONS IN ORANGE COUNTY AND THE INLAND EMPIRE. KONT WILL LIKELY HAVE A PERIOD OF 20-30 KT NE WINDS THIS MORNING. GUSTY NE TO E WINDS WILL GRADUALLY SPREAD SOUTH INTO THE SAN DIEGO COUNTY FOOTHILLS AND INLAND VALLEYS BY 18Z. WINDS WILL WEAKEN SLIGHTLY THIS EVENING AND CONTINUE INTO MONDAY.

DESERT MOUNTAIN SLOPES/DESERTS...VARIABLE CLOUDS ABOVE 15000 FT MSL THROUGH MON MORNING. VIS UNRESTRICTED EXCEPT FOR LOCAL 3-5SM IN BLDU/HZ IN THE DESERTS THROUGH THIS AFTERNOON. N/NE WINDS 15-30 KT WITH GUSTS 30-50 KT WILL DEVELOP IN FAR NORTHERN COACHELLA VALLEY. LLWS POSSIBLE VCNTY KPSP AT TIMES THIS MORNING. WINDS WILL GRADUALLY WEAKEN IN THE DESERTS THIS AFTERNOON WITH LIGHT WINDS TONIGHT.

&&

.MARINE...
230 AM...ISOLATED NE WIND GUSTS TO 20 KT POSSIBLE OVER THE FAR NORTHERN COASTAL WATERS THIS MORNING INTO THE EARLY AFTERNOON. OTHERWISE NO HAZARDOUS MARINE WEATHER IS EXPECTED THROUGH THURSDAY.

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.FIRE WEATHER...
A RED FLAG WARNING WILL GO INTO EFFECT FOR THE MOUNTAINS/FOOTHILL/VALLEYS OF SAN BERNARDINO AND ORANGE COUNTIES BEGINNING AT 10 AM...THEN FARTHER SOUTHWARD INTO SAN DIEGO COUNTY THIS EVENING AND CONTINUE INTO MONDAY DUE TO STRONG GUSTY SANTA ANA WINDS AND LOW HUMIDITIES. FRO SAN BERNARDINO AND ORANGE COUNTIES...THE STRONG GUSTY NORTHEAST WINDS WILL DEVELOP SUNRISE WITH HUMIDITIES FALLING TO CRITICAL THRESHOLDS DURING THE MORNING. THE DRYING AND GUSTY WINDS WILL SPREAD SOUTHWARD INTO RIVERSIDE AND SAN DIEGO COUNTIES DURING THE AFTERNOON AND EVENING. FOR SAN BERNARDINO AND ORANGE COUNTIES...THE WINDS ARE NOT EXPECTED TO BE QUITE AS STRONG AS TODAY. LOWEST DAYTIME HUMIDITIES OF 5 TO 10 PERCENT WITH POOR OVERNIGHT RECOVERY. LOW HUMIDITIES ARE EXPECTED TO CONTINUE INTO TUESDAY...BUT WITH WEAKENING NORTHEAST WINDS.

&&

.SKYWARN...
SKYWARN ACTIVATION IS NOT REQUESTED. HOWEVER WEATHER SPOTTERS ARE ENCOURAGED TO REPORT SIGNIFICANT WEATHER CONDITIONS.

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.SGX WATCHES/WARNINGS/ADVISORIES...
CA...HIGH WIND WARNING FROM 4 AM EARLY THIS MORNING TO NOON PST MONDAY FOR THE COACHELLA VALLEY...ORANGE COUNTY COASTAL AREAS...RIVERSIDE COUNTY MOUNTAINS...SAN BERNARDINO COUNTY MOUNTAINS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SANTA ANA MOUNTAINS AND FOOTHILLS.

RED FLAG WARNING FROM 8 PM THIS EVENING TO 8 PM PST MONDAY FOR THE RIVERSIDE COUNTY MOUNTAINS-INCLUDING THE SAN JACINTO RANGER DISTRICT OF THE SAN BERNARDINO NATIONAL FOREST...SAN DIEGO COUNTY INLAND VALLEYS...SAN DIEGO COUNTY MOUNTAINS-INCLUDING THE PALOMAR AND DESCANSO RANGER DISTRICTS OF THE CLEVELAND NATIONAL FOREST.

RED FLAG WARNING FROM 10 AM THIS MORNING TO 8 PM PST MONDAY FOR THE ORANGE COUNTY COASTAL AREAS...SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE...SAN BERNARDINO COUNTY MOUNTAINS-INCLUDING THE MOUNTAIN TOP AND FRONT COUNTRY RANGER DISTRICTS OF THE SAN BERNARDINO NATIONAL FOREST...SANTA ANA MOUNTAINS-INCLUDING THE TRABUCO RANGER DISTRICT OF THE CLEVELAND NATIONAL FOREST.

HIGH WIND WARNING FROM 8 PM THIS EVENING TO NOON PST MONDAY FOR THE SAN DIEGO COUNTY MOUNTAINS...SAN DIEGO COUNTY VALLEYS.

PZ...NONE.

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PUBLIC/FIRE WEATHER...17

764
FXUS65 KPSR 161037
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
335 AM MST SUN NOV 16 2014

.SYNOPSIS...
A STORM SYSTEM WILL MOVE QUICKLY THROUGH THE FOUR CORNERS REGION TODAY BRINGING A SLIGHT CHANCE OF LIGHT SHOWERS EAST OF PHOENIX...AS WELL AS WINDY CONDITIONS THROUGH FAR WESTERN ARIZONA AND SOUTHEAST CALIFORNIA. MUCH COOLER AND DRIER CONDITIONS ARE EXPECTED THROUGH MONDAY WITH WELL BELOW NORMAL TEMPERATURES. FREEZING TEMPERATURES ARE LIKELY MONDAY MORNING ACROSS THE HIGHER ELEVATIONS OF SOUTHERN GILA COUNTY. A GRADUAL WARMING TREND IS EXPECTED THROUGH THE WEEK.

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.DISCUSSION...
A WELL-DEFINED SHORT-WAVE TROUGH IS EVIDENT ON WV IMAGERY DROPPING STEADILY SOUTHEASTWARD THROUGH SOUTHERN UT. LIGHT PRECIPITATION HAS DEVELOPED AHEAD OF THE TROUGH AND SOME LIGHTNING STRIKES HAVE EVEN BEEN DETECTED ACROSS NORTHEASTERN AZ. SHORT-TERM GUIDANCE IS IN EXCELLENT AGREEMENT THAT ISOLATED SHOWERS WILL INCREASE IN COVERAGE ACROSS CENTRAL AND EASTERN AZ EARLY THIS MORNING ASSOCIATED WITH A CONCENTRATED AREA OF VORTICITY-FORCED ASCENT. CONVECTIVE-ALLOWING MODELS INCLUDING THE HRRR INDICATE THAT PRECIPITATION WILL LIKELY CLIP SOUTHERN GILA COUNTY...BEFORE STRONG SUBSIDENCE AND DRYING OVERSPREAD THE REGION LATER THIS MORNING.

BIGGER IMPACT WITH THIS SYSTEM WILL BE THE INCREASE IN WIND BEHIND A COLD FRONT. LOW-LEVEL PRESSURE GRADIENT WILL BE TIGHT AND WITH A FAVORABLE TRAJECTORY DOWN THE CO RIVER VALLEY...GUSTS MAY APPROACH 45 MPH DURING THE AFTERNOON IN THESE AREAS. A WIND ADVISORY CONTINUES FOR THE CO RIVER VALLEY AS WELL AS PORTIONS OF SOUTHEASTERN CA.

WITH THE FASTER PROGRESSION OF THE SYSTEM...TEMPERATURES FOR THIS AFTERNOON CONTINUE TO TREND DOWNWARD AS WELL. FORECAST HIGH TEMPERATURE OF 70 DEGREES IN PHOENIX WOULD BE THE COOLEST MAXIMUM SINCE EARLY MARCH. DEWPOINTS WILL ALSO LIKELY DROP INTO THE TEENS OR EVEN SINGLE DIGITS ACROSS MUCH OF THE AREA LATE THIS AFTERNOON AND THIS EVENING. ALTHOUGH CONDITIONS FOR RADIATIONAL COOLING WILL NOT BE OPTIMAL DUE TO SOME MIXING...SHELTERED LOCATIONS IN THE HIGHER ELEVATIONS (INCLUDING THE GLOBE VICINITY) WILL LIKELY OBSERVE FREEZING TEMPERATURES. GIVEN THAT THIS IS THE FIRST EVENT OF THE YEAR AND VEGETATION IS MORE SUSCEPTIBLE TO THE COLD...THE FREEZE WATCH HAS BEEN UPGRADED TO A WARNING FOR SOUTHERN GILA COUNTY INCLUDING THE GLOBE AREA. EVEN IN THE OUTLYING AREAS OF THE VALLEY INCLUDING GILBERT AND QUEEN CREEK...TEMPERATURES WILL FALL INTO THE 30S OVERNIGHT.

DRY NORTHWESTERLY FLOW WILL PREDOMINATE MONDAY IN THE WAKE OF THE TROUGH. AFTER A COLD START TO THE DAY...TEMPERATURES WILL CLIMB TO AROUND 71 DEGREES IN PHOENIX. REINFORCING SHOT OF DRY AIR WILL LIKELY OVERSPREAD THE DESERT SOUTHWEST TUESDAY AS A HIGHLY AMPLIFIED RIDGE MOVES INTO THE GREAT BASIN. THE GENERAL TREND WILL BE TOWARDS RISING THICKNESSES AND A GRADUAL WARMING TREND ACROSS THE REGION THROUGH THE WEEK. INTER/INTRA-MODEL INCONSISTENCIES PERSIST LATE IN THE WEEK WITH REGARD TO THE EVOLUTION OF SEVERAL SMALL PACIFIC VORTICES. UNCERTAINTY IS ELEVATED DURING THIS PERIOD AND THE FORECAST HAS BEEN WEIGHTED TOWARDS CLIMATOLOGICAL AVERAGES.

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.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...
HIGH LEVEL CIRRUS SCT-BKN IN NATURE IS EXPECTED TO STREAM IN FROM W-NW REMAINING AOA 20KFT LATER TONIGHT AHEAD OF AN APPROACHING PAC STORM SYSTEM. SFC WINDS TO FOLLOW DIURNALLY DRIVEN HEADINGS THROUGH THE EVENING WITH MOSTLY LIGHT SPEEDS. THE APPROACHING WEATHER SYSTEM AND COLD FRONT THROUGH THE GREAT BASIN STATES EARLY SUNDAY AM WILL LEAD TO ELEVATED EASTERLY WINDS ACROSS THE PHX AREA FOR SUNDAY AM...MOSTLY AFTER 16/14Z AND LATER INTO THE AM. WINDS WILL THEN TRANSITION TO NORTHERLY HEADINGS WITH SUSTAINED VALUES PUSHING INTO THE 10-15KT RANGE BY MIDDAY AND INTO THE AFTN. CENTRAL DESERT TAF SITES MAY SEE FEW-SCT CU/SC DECKS DEVELOP BY 12Z AS STRONG FORCING

November 16, 2014 Exceptional Event, Imperial County

Appendix A

FROM THE SYSTEM MOVES IN...AND BKN CONDITIONS MAY EVEN OCCUR AT
TIMES FROM 12Z THRU 16Z OR SO. BASES GENLY 6-8K FEET. EXPECT
CLEARING FROM THE WEST BY 18Z AS A DRIER AND MORE SUBSIDENT AIRMASS
MOVES IN BEHIND THE COLD FRONT.

SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...
TONIGHT...MOSTLY CLEAR SKIES AND INCREASING WINDS FOLLOWING TYPICAL
DIURNAL HEADINGS EXPECTED THROUGH 16/10Z OR SO. A STRONG COLD FRONT
WILL MOVE INTO THE AREA AROUND 10-12Z SUNDAY BRINGING STRONG GUSTY
WINDS FOR KBLH AND ELEVATED WINDS FOR KIPL FOR THE DAYTIME HOURS
SUNDAY. WINDS WILL GENLY HOLD NW-N HEADINGS WITH POTENTIAL GUSTS
PUSHING 40KTS FOR KBLH AND 25KTS FOR KIPL THROUGH THE DAY. THERE IS
POTENTIAL FOR SOME BLOWING DUST/SAND ACROSS THE REGION WHICH MAY
REDUCE LONGER RANGE VSBYS AND PERIODICALLY REDUCE AIRFIELD VSBYS.
VSBY REDUCTIONS NOT INCLUDED IN THE 06Z TAF PACKAGE.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

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.FIRE WEATHER...
TUESDAY THROUGH SATURDAY...
PRESSURE GRADIENTS AND WINDS WILL BEGIN TO RELAX TUESDAY IN THE WAKE
OF THE WEEKEND/S COLD FRONT WITH CONTINUED DRY HUMIDITIES. SINGLE
MINIMUM HUMIDITIES WILL SLOWLY IMPROVE INTO THE TEENS FOR THE
MIDDLE OF NEXT WEEK AND THEN INTO THE 20S FOR LATE NEXT WEEK.
TEMPERATURES WILL BE COOLER THROUGH THE PERIOD...OR ACTUALLY RIGHT
AROUND SEASONAL NORMALS.

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.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY UNTIL 5 PM MST THIS AFTERNOON AZZ020-025.

FREEZE WARNING FROM 2 AM TO 9 AM MST MONDAY AZZ024.

CA...WIND ADVISORY UNTIL 4 PM PST THIS AFTERNOON CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...HIRSCH
AVIATION...CB/NOLTE
FIRE WEATHER...NOLTE/KUHLMAN

National Weather Service Raw Text Product

Displaying AFOS PIL: **HWOPSR** Received: **2014-11-16 13:14 UTC**

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Latest ProductView As Image

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846
FLUS45 KPSR 161314
HWOPSR

HAZARDOUS WEATHER OUTLOOK
NATIONAL WEATHER SERVICE PHOENIX AZ
614 AM MST SUN NOV 16 2014

AZZ020-025-CAZ030>033-171330-
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
JOSHUA TREE NATIONAL PARK-LOWER COLORADO RIVER VALLEY CA-
RIVERSIDE COUNTY/EASTERN DESERTS-IMPERIAL COUNTY-
614 AM MST SUN NOV 16 2014 /514 AM PST SUN NOV 16 2014/

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EXTREME SOUTHWEST
ARIZONA...EXTREME WEST-CENTRAL ARIZONA...EXTREME SOUTHEAST
CALIFORNIA AND SOUTHEAST CALIFORNIA.

.DAY ONE...TODAY AND TONIGHT.

WINDY CONDITIONS WILL DEVELOP EARLY THIS MORNING BEHIND A COLD
FRONT. WINDS WILL BE STRONGEST DOWN THE COLORADO RIVER VALLEY...WHERE
GUSTS TO 45 MPH WILL BE POSSIBLE DURING THE AFTERNOON. WINDS ARE
EXPECTED TO SUBSIDE DURING THE EVENING.

TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES ON WEST TO EAST
ORIENTED ROADWAYS SUCH AS I-10. PERIODS OF BLOWING SAND AND DUST MAY
REDUCE VISIBILITIES TO ONE MILE OR LESS AT TIMES.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT EXPECTED AT THIS TIME.

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AZZ024-171330-
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-
614 AM MST SUN NOV 16 2014

THIS HAZARDOUS WEATHER OUTLOOK IS FOR EAST-CENTRAL ARIZONA.

.DAY ONE...TODAY AND TONIGHT.

MUCH COLDER TEMPERATURES WILL FILTER INTO THE AREA POTENTIALLY
LEADING TO THE FIRST FREEZE OF THE SEASON TONIGHT FOR POPULATION
CENTERS OF SOUTHERN GILA COUNTY. TEMPERATURES BELOW FREEZING FOR
SEVERAL HOURS MAY KILL UNPROTECTED SENSITIVE VEGETATION.

.DAYS TWO THROUGH SEVEN...MONDAY THROUGH SATURDAY.

NO HAZARDOUS WEATHER IS EXPECTED AT THIS TIME.

.SPOTTER INFORMATION STATEMENT...

SPOTTER ACTIVATION IS NOT EXPECTED AT THIS TIME.

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NATIONAL WEATHER SERVICE PHOENIX IS ON THE INTERNET AT

WEATHER.GOV/PHOENIX

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296
WMUS76 KSGX 161520
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
720 AM PST SUN NOV 16 2014

...PERIODS OF STRONG GUSTY SANTA ANA WINDS FOR TODAY INTO
MONDAY...

.SURFACE HIGH PRESSURE OVER THE GREAT BASIN AND STRONG NORTH TO
NORTHEAST FLOW ALOFT WILL BRING AREAS OF STRONG AND GUSTY
NORTHEAST WINDS ACROSS PORTIONS OF SOUTHERN CALIFORNIA TODAY INTO
MONDAY. THE WINDS WILL CONTINUE TO DEVELOP FIRST OVER THE SAN
BERNARDINO COUNTY MOUNTAINS...INLAND EMPIRE...NORTHERN PARTS OF
THE COACHELLA VALLEY...AND THE SANTA ANA MOUNTAINS THIS
MORNING...THEN GRADUALLY SPREAD SOUTHWARD INTO SAN DIEGO COUNTY
THIS AFTERNOON AND EVENING. LOCAL WIND GUSTS COULD EXCEED 65 MPH.
WINDS WILL WEAKEN FROM NORTH TO SOUTH TONIGHT AND MONDAY. WEAKER
GUSTY NORTHEAST WINDS WILL CONTINUE FOR MONDAY NIGHT INTO TUESDAY.

CAZ042-048-055>057-061-170100-
/O.CON.KSGX.HW.W.0013.000000T0000Z-141117T2000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SANTA ANA MOUNTAINS AND FOOTHILLS-COACHELLA VALLEY-
720 AM PST SUN NOV 16 2014

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL NOON PST MONDAY...

A HIGH WIND WARNING REMAINS IN EFFECT UNTIL NOON PST MONDAY.

* WINDS...NORTH TO NORTHEAST 25 TO 35 MPH...WITH GUSTS TO 60
MPH. LOCAL GUSTS TO 75 MPH BELOW THE CAJON PASS AND ALONG THE
COASTAL SLOPES OF THE SANTA ANA MOUNTAINS. WINDS NOT QUITE AS
STRONG FOR TONIGHT INTO MONDAY MORNING.

* TIMING...THROUGH MONDAY MORNING...WITH STRONGEST WINDS TODAY.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS
AND BELOW PASSES AND CANYONS.

* VISIBILITY...LOCALLY DOWN TO A HALF MILE IN BLOWING DUST.

* REPORTS...STRONGEST WIND GUSTS TODAY AS OF 7 AM:
60 MPH AT PLEASANTS PEAK IN THE SANTA ANA MOUNTAINS.
50 MPH AT FREMONT CANYON IN THE COASTAL FOOTHILLS OF THE SANTA
ANA MOUNTAINS.
48 MPH AT EL CARISO IN THE SANTA ANA MOUNTAINS.
45 MPH AT HEAPS PEAK IN THE SAN BERNARDINO COUNTY MOUNTAINS.
43 MPH AT ONTARIO AIRPORT IN THE INLAND EMPIRE.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST WILL REDUCE VISIBILITY.

* OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE INTO
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ050-058-170100-
/O.CON.KSGX.HW.W.0013.141117T0400Z-141117T2000Z/
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-
720 AM PST SUN NOV 16 2014

...HIGH WIND WARNING REMAINS IN EFFECT FROM 8 PM THIS EVENING TO
NOON PST MONDAY...

2/17/2017

IEM :: NPW from NWS SGX

November 16, 2014 Exceptional Event, Imperial County

Appendix A

HIGH WIND WARNING REMAINS IN EFFECT FROM 8 PM THIS EVENING TO NOON PST MONDAY

* WINDS...NORTHEAST 20 TO 30 MPH WITH GUSTS TO 55 MPH. GUSTS TO NEAR 70 MPH THROUGH THE FAVORED PASSES AND CANYONS.

* TIMING...THIS EVENING THROUGH MONDAY MORNING...WITH THE STRONGEST WINDS OCCURRING LATE TONIGHT INTO MONDAY MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE INTO TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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PALMER

180
WMUS75 KPSR 161437
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
737 AM MST SUN NOV 16 2014

.A STRONG COLD FRONT WILL MOVE THROUGH THE REGION TODAY BRINGING
WINDY CONDITIONS TO PORTIONS OF SOUTHEAST CALIFORNIA AND
SOUTHWEST ARIZONA. MUCH COLDER TEMPERATURES WILL FILTER INTO THE
AREA POTENTIALLY LEADING TO THE FIRST FREEZE OF THE SEASON
TONIGHT FOR POPULATION CENTERS OF SOUTHERN GILA COUNTY.

AZZ024-170000-
/O.CON.KPSR.FZ.W.0001.141117T0900Z-141117T1600Z/
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-
INCLUDING THE CITIES OF...GLOBE...MIAMI...SAN CARLOS...
SUPERIOR...TOP-OF-THE-WORLD
737 AM MST SUN NOV 16 2014

...FREEZE WARNING REMAINS IN EFFECT FROM 2 AM TO 9 AM MST
MONDAY...

A FREEZE WARNING REMAINS IN EFFECT FROM 2 AM TO 9 AM MST MONDAY.

* AFFECTED AREA...GLOBE...MIAMI...AND VICINITY.

* TEMPERATURE...FALLING INTO THE UPPER 20S TO LOWER 30S FOR
SEVERAL HOURS.

* IMPACTS...TEMPERATURES BELOW FREEZING FOR SEVERAL HOURS MAY
KILL UNPROTECTED SENSITIVE VEGETATION. THIS POTENTIAL FREEZE
MAY BRING AN END TO THE CURRENT GROWING SEASON.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FREEZE WARNING MEANS SUB-FREEZING TEMPERATURES ARE IMMINENT OR
HIGHLY LIKELY. THESE CONDITIONS WILL DESTROY OR DAMAGE CROPS AND
OTHER SENSITIVE VEGETATION.

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AZZ020-025-CAZ031>033-170000-
/O.NEW.KPSR.DU.Y.0046.141116T1437Z-141116T1800Z/
/O.CON.KPSR.WI.Y.0012.000000T0000Z-141117T0000Z/
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...
FORTUNA FOOTHILLS...YUMA...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...BRAWLEY...CALEXICO...EL CENTRO
737 AM MST SUN NOV 16 2014 /637 AM PST SUN NOV 16 2014/

...BLOWING DUST ADVISORY IN EFFECT UNTIL 11 AM MST /10 AM PST/
THIS MORNING...
...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 PM MST /4 PM PST/ THIS
AFTERNOON...

THE NATIONAL WEATHER SERVICE IN PHOENIX HAS ISSUED A BLOWING DUST
ADVISORY...WHICH IS IN EFFECT UNTIL 11 AM MST /10 AM PST/ THIS
MORNING. A WIND ADVISORY REMAINS IN EFFECT UNTIL 5 PM MST /4 PM
PST/ THIS AFTERNOON.

* AFFECTED AREA...THE LOWER COLORADO RIVER VALLEY AND PORTIONS OF
SOUTHEASTERN CALIFORNIA...INCLUDING YUMA...PARKER... BLYTHE
AND...EL CENTRO.

* TIMING...THREAT FOR BLOWING DUST THROUGH MIDDAY WITH THE STRONG
WINDS EXPECTED INTO THE AFTERNOON.

* WINDS...NORTH WINDS 25 TO 35 MPH WITH GUSTS 40 TO 50 MPH.

* VISIBILITY...DOWN TO 2 MILES...WITH LESS THAN ONE HALF MILE
POSSIBLE.

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES ON

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342
FXUS65 KPSR 161515
AFDPSR

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE PHOENIX AZ
815 AM MST SUN NOV 16 2014

.SYNOPSIS...
A STORM SYSTEM WILL MOVE QUICKLY THROUGH THE FOUR CORNERS REGION TODAY BRINGING A SLIGHT CHANCE OF LIGHT SHOWERS EAST OF PHOENIX...AS WELL AS WINDY CONDITIONS THROUGH FAR WESTERN ARIZONA AND SOUTHEAST CALIFORNIA. MUCH COOLER AND DRIER CONDITIONS ARE EXPECTED THROUGH MONDAY WITH WELL BELOW NORMAL TEMPERATURES. FREEZING TEMPERATURES ARE LIKELY MONDAY MORNING ACROSS THE HIGHER ELEVATIONS OF SOUTHERN GILA COUNTY. A GRADUAL WARMING TREND IS EXPECTED THROUGH THE WEEK.

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.DISCUSSION...
THE MUCH ADVERTISED COLD FRONT SUBJECTIVELY ALIGNS FROM THE PHOENIX METRO THROUGH FAR SWRN ARIZONA THIS MORNING...MOST APTLY DEFINED BY A DISTINCT DEWPOINT DISCONTINUITY AND PRESENCE OF GUSTY MIXED NORTH WINDS. WINDS CHANNELING DOWN THE COLORADO RIVER VALLEY HAVE BEEN QUITE STRONG THIS MORNING TAPPING A POST FRONTAL LLJ AND IN MANY CASES GUSTING TO 40-50 MPH. NUMEROUS REPORTS OF BLOWING DUST HAVE BEEN NOTED WITH VSBYS LOCALLY BELOW ONE MILE. HAVE ISSUED A BLOWING DUST ADVISORY IN THE SHORT TERM THROUGH 11 AM WHEN THE STRONGEST GUSTS SHOULD START TO PARTIALLY ABATE.

ELSEWHERE...A SHORTWAVE AND PV ANOMALY WERE STRENGTHENING OVER NRN ARIZONA FORCING MORE FOCUSED DEEP ASCENT THROUGH EAST CNTRL ARIZONA. COLD ADVECTION ALOFT WAS STEEPENING LAPSE RATES AND RADAR ECHOES WERE OBTAINING A MORE CONVECTIVE LOOKING APPEARANCE. IN FACT...DESPITE HIGHER FREEZING LEVELS SOME SNOW SHOWERS WERE REPORTED IN THE MOUNTAINS SURROUNDING THE GLOBE AREA IN SRN GILA COUNTY AS A RESULT OF THE CONVECTIVE OVERTURNING. HOWEVER...SUBSIDENCE WAS RAPIDLY DESCENDING SOUTH BEHIND THE SHORTWAVE AND ANY FURTHER RAIN/SNOW WILL BE SHUNTED SOUTH AND EAST BEYOND THE LATE MORNING HOURS. UPDATES THIS MORNING INCLUDED SOME SHORT TERM ADJUSTMENTS TO THE MOST SALIENT GRIDS TO CAPTURE CURRENT TRENDS.

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.PREVIOUS DISCUSSION...
/442 AM MST SUN NOV 16 2014/
A WELL-DEFINED SHORT-WAVE TROUGH IS EVIDENT ON WV IMAGERY DROPPING STEADILY SOUTHEASTWARD THROUGH SOUTHERN UT. LIGHT PRECIPITATION HAS DEVELOPED AHEAD OF THE TROUGH AND SOME LIGHTNING STRIKES HAVE EVEN BEEN DETECTED ACROSS NORTHEASTERN AZ. SHORT-TERM GUIDANCE IS IN EXCELLENT AGREEMENT THAT ISOLATED SHOWERS WILL INCREASE IN COVERAGE ACROSS CENTRAL AND EASTERN AZ EARLY THIS MORNING ASSOCIATED WITH A CONCENTRATED AREA OF VORTICITY-FORCED ASCENT. CONVECTIVE-ALLOWING MODELS INCLUDING THE HRRR INDICATE THAT PRECIPITATION WILL LIKELY CLIP SOUTHERN GILA COUNTY...BEFORE STRONG SUBSIDENCE AND DRYING OVERSPREAD THE REGION LATER THIS MORNING.

BIGGER IMPACT WITH THIS SYSTEM WILL BE THE INCREASE IN WIND BEHIND A COLD FRONT. LOW-LEVEL PRESSURE GRADIENT WILL BE TIGHT AND WITH A FAVORABLE TRAJECTORY DOWN THE CO RIVER VALLEY...GUSTS MAY APPROACH 45 MPH DURING THE AFTERNOON IN THESE AREAS. A WIND ADVISORY CONTINUES FOR THE CO RIVER VALLEY AS WELL AS PORTIONS OF SOUTHEASTERN CA.

WITH THE FASTER PROGRESSION OF THE SYSTEM...TEMPERATURES FOR THIS AFTERNOON CONTINUE TO TREND DOWNWARD AS WELL. FORECAST HIGH TEMPERATURE OF 70 DEGREES IN PHOENIX WOULD BE THE COOLEST MAXIMUM SINCE EARLY MARCH. DEWPOINTS WILL ALSO LIKELY DROP INTO THE TEENS OR EVEN SINGLE DIGITS ACROSS MUCH OF THE AREA LATE THIS AFTERNOON AND THIS EVENING. ALTHOUGH CONDITIONS FOR RADIATIONAL COOLING WILL NOT BE OPTIMAL DUE TO SOME MIXING...SHELTERED LOCATIONS IN THE HIGHER ELEVATIONS (INCLUDING THE GLOBE VICINITY) WILL LIKELY OBSERVE FREEZING TEMPERATURES. GIVEN THAT THIS IS THE FIRST EVENT OF THE YEAR AND VEGETATION IS MORE SUSCEPTIBLE TO THE COLD...THE FREEZE WATCH HAS BEEN UPGRADED TO A WARNING FOR SOUTHERN GILA COUNTY INCLUDING THE GLOBE AREA. EVEN IN THE OUTLYING AREAS OF THE VALLEY INCLUDING GILBERT AND QUEEN CREEK...TEMPERATURES WILL FALL INTO THE

November 16, 2014 Exceptional Event, Imperial County

30S OVERNIGHT.

DRY NORTHWESTERLY FLOW WILL PREDOMINATE MONDAY IN THE WAKE OF THE TROUGH. AFTER A COLD START TO THE DAY...TEMPERATURES WILL CLIMB TO AROUND 71 DEGREES IN PHOENIX. REINFORCING SHOT OF DRY AIR WILL LIKELY OVERSPREAD THE DESERT SOUTHWEST TUESDAY AS A HIGHLY AMPLIFIED RIDGE MOVES INTO THE GREAT BASIN. THE GENERAL TREND WILL BE TOWARDS RISING THICKNESSES AND A GRADUAL WARMING TREND ACROSS THE REGION THROUGH THE WEEK. INTER/INTRA-MODEL INCONSISTENCIES PERSIST LATE IN THE WEEK WITH REGARD TO THE EVOLUTION OF SEVERAL SMALL PACIFIC VORTICES. UNCERTAINTY IS ELEVATED DURING THIS PERIOD AND THE FORECAST HAS BEEN WEIGHTED TOWARDS CLIMATOLOGICAL AVERAGES.

&&

.AVIATION...
SOUTH-CENTRAL ARIZONA INCLUDING KPHX...KIWA...AND KSDL...

A STRONG COLD FRONT WILL TURN VARIABLE TO EASTERLY LIGHT WINDS TO THE NORTH BETWEEN 15-18Z THIS MORNING ONCE IT PASSES THROUGH THE AREA. WINDS WILL BECOME GUSTY BY LATE MORNING LASTING THROUGH MUCH OF THE AFTERNOON BEHIND THE FRONT. SOME LOW VFR CU WILL HANG AROUND THROUGH MID MORNING...CLOSER TO HIGHER TERRAIN AREAS BEFORE GETTING SCOURED OUT BY THE ADVANCING COLD FRONT. EXPECT CLEARING FROM THE WEST BY 18Z AS A DRIER AND MORE SUBSIDENT AIRMASS MOVES IN BEHIND THE COLD FRONT. WINDS WILL DIMINISH THIS EVENING AND GRADUALLY TURN TO A MORE EASTERLY HEADING AFTER MIDNIGHT.

SOUTHEAST CALIFORNIA AND SOUTHWEST ARIZONA INCLUDING KIPL AND KBLH...

THE STRONG COLD FRONT IS IN THE PROCESS OF MOVING DOWN THE COLORADO RIVER VALLEY AND IS ALREADY LEADING TO STRONG GUSTY WINDS AT KBLH. STRONG NORTHERLY WINDS WILL BECOME MORE WIDESPREAD AFTER SUNRISE AND PERSIST THROUGH THE AFTERNOON HOURS. THERE IS POTENTIAL FOR SOME BLOWING DUST/SAND ACROSS THE REGION WHICH MAY REDUCE LONGER RANGE VSBYS AND PERIODICALLY REDUCE AIRFIELD VSBYS. WINDS WILL GRADUALLY DIMINISH THIS EVENING AND BECOME LIGHT AFTER MIDNIGHT.

AVIATION DISCUSSION NOT UPDATED FOR AMENDED TAFS.

&&

.FIRE WEATHER...
TUESDAY THROUGH SATURDAY...
PRESSURE GRADIENTS AND WINDS WILL BEGIN TO RELAX TUESDAY IN THE WAKE OF THE WEEKEND/S COLD FRONT WITH CONTINUED DRY HUMIDITIES. SINGLE MINIMUM HUMIDITIES WILL SLOWLY IMPROVE INTO THE TEENS FOR THE MIDDLE OF NEXT WEEK AND THEN INTO THE 20S FOR LATE NEXT WEEK. TEMPERATURES WILL BE COOLER THROUGH THE PERIOD...OR ACTUALLY RIGHT AROUND SEASONAL NORMALS.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...WIND ADVISORY UNTIL 5 PM MST THIS AFTERNOON AZZ020-025.

FREEZE WARNING FROM 2 AM TO 9 AM MST MONDAY AZZ024.

CA...WIND ADVISORY UNTIL 4 PM PST THIS AFTERNOON CAZ030>033.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX

DISCUSSION...MO/HIRSCH
AVIATION...KUHLMAN
FIRE WEATHER...NOLTE/KUHLMAN

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216
WMUS76 KSGX 162130
NPWSGX

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE SAN DIEGO CA
130 PM PST SUN NOV 16 2014

...PERIODS OF STRONG GUSTY SANTA ANA WINDS THROUGH MONDAY...

...AREAS OF FROST TONIGHT IN THE HIGH DESERT...

.A STRONG SURFACE RIDGE OF HIGH PRESSURE OVER THE GREAT BASIN WILL
CONTINUE TO BRING VERY DRY AIR TO THE REGION AS WELL AS AREAS OF
STRONG AND GUSTY NORTHEAST WINDS ACROSS PORTIONS OF SOUTHERN
CALIFORNIA THROUGH MONDAY. THESE WINDS WILL CONTINUE TO SPREAD INTO
SAN DIEGO COUNTY THIS EVENING. LOCAL WIND GUSTS COULD EXCEED 65
MPH. WEAKER GUSTY NORTHEAST WINDS WILL CONTINUE FOR MONDAY NIGHT
INTO TUESDAY.

IN THE HIGH DESERTS...VERY COLD CONDITIONS WILL DEVELOP AS THIS VERY
DRY AIR MASS COMBINES WITH LIGHT WINDS TO ALLOW FOR VERY GOOD
RADIATIONAL COOLING TONIGHT.

CAZ050-058-170600-
/O.EXT.KSGX.HW.W.0013.141116T2130Z-141117T2000Z/
SAN DIEGO COUNTY VALLEYS-SAN DIEGO COUNTY MOUNTAINS-
130 PM PST SUN NOV 16 2014

...HIGH WIND WARNING NOW IN EFFECT UNTIL NOON PST MONDAY...

HIGH WIND WARNING NOW IN EFFECT UNTIL NOON PST MONDAY.

* WINDS...NORTHEAST 20 TO 30 MPH...WITH GUSTS TO 55 MPH. GUSTS TO
NEAR 70 MPH THROUGH THE FAVORED PASSES AND CANYONS.

* TIMING...THROUGH MONDAY MORNING...WITH THE STRONGEST WINDS
OCCURRING LATE TONIGHT INTO MONDAY MORNING.

* LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS
AND BELOW PASSES AND CANYONS.

* VISIBILITY...LOCALLY DOWN TO A MILE IN BLOWING DUST.

* REPORTS...STRONGEST WIND GUSTS TODAY AS OF 1 PM:
59 MPH AT CRESTWOOD IN THE SAN DIEGO MOUNTAINS.
49 MPH AT CAMPO IN THE SAN DIEGO MOUNTAINS.
48 MPH AT SILL HILL IN THE SAN DIEGO MOUNTAINS.

* IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS...
ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE
LIMBS AND LOCALIZED BLOWING DUST.

* OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE INTO
TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED
OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS
OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ042-048-055>057-061-170600-
/O.CON.KSGX.HW.W.0013.000000T0000Z-141117T2000Z/
ORANGE COUNTY COASTAL AREAS-
SAN BERNARDINO AND RIVERSIDE COUNTY VALLEYS-THE INLAND EMPIRE-
SAN BERNARDINO COUNTY MOUNTAINS-RIVERSIDE COUNTY MOUNTAINS-
SANTA ANA MOUNTAINS AND FOOTHILLS-COACHELLA VALLEY-
130 PM PST SUN NOV 16 2014

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL NOON PST MONDAY...

HIGH WIND WARNING REMAINS IN EFFECT UNTIL NOON PST MONDAY.

* WINDS...NORTH TO NORTHEAST 25 TO 35 MPH...WITH GUSTS TO 55 MPH.
LOCAL GUSTS TO 65 MPH BELOW THE CAJON PASS AND ALONG THE COASTAL

SLOPES OF THE SANTA ANA MOUNTAINS.

- * TIMING...THROUGH MONDAY MORNING...WITH A SECONDARY PEAK LATE TONIGHT AND MONDAY MORNING.
- * LOCATION...ALONG AND NEAR COASTAL MOUNTAIN SLOPES AND FOOTHILLS AND BELOW PASSES AND CANYONS.
- * VISIBILITY...LOCALLY DOWN TO A MILE IN BLOWING DUST.
- * REPORTS...STRONGEST WIND GUSTS TODAY AS OF 1 PM:
76 MPH AT PLEASANTS PEAK IN THE SANTA ANA MOUNTAINS.
62 MPH AT FREMONT CANYON IN THE COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS.
57 MPH AT HIGHLAND SPRINGS IN THE INLAND EMPIRE.
48 MPH AT EL CARISO IN THE SANTA ANA MOUNTAINS.
48 MPH AT RIMFOREST IN THE SAN BERNARDINO COUNTY MOUNTAINS.
46 MPH AT ONTARIO AIRPORT IN THE INLAND EMPIRE.
45 MPH AT HEAPS PEAK IN THE SAN BERNARDINO COUNTY MOUNTAINS.
- * IMPACTS...STRONG GUSTY WINDS WILL MAKE DRIVING HAZARDOUS... ESPECIALLY FOR HIGH PROFILE VEHICLES. WATCH FOR BROKEN TREE LIMBS AND LOCALIZED BLOWING DUST WILL REDUCE VISIBILITY.
- * OUTLOOK...LOCALLY GUSTY NORTHEAST WINDS WILL CONTINUE INTO TUESDAY.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A HIGH WIND WARNING MEANS A HAZARDOUS HIGH WIND EVENT IS EXPECTED OR OCCURRING. SUSTAINED WIND SPEEDS OF AT LEAST 40 MPH OR GUSTS OF 58 MPH OR MORE CAN LEAD TO PROPERTY DAMAGE.

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CAZ060-170600-
/O.NEW.KSGX.FR.Y.0002.141117T0800Z-141117T1500Z/
APPLE AND LUCERNE VALLEYS-
130 PM PST SUN NOV 16 2014

...FROST ADVISORY IN EFFECT FROM MIDNIGHT TONIGHT TO 7 AM PST MONDAY...

THE NATIONAL WEATHER SERVICE IN SAN DIEGO HAS ISSUED A FROST ADVISORY...WHICH IS IN EFFECT FROM MIDNIGHT TONIGHT TO 7 AM PST MONDAY.

* LOCATION...THE HIGH DESERT.

* TEMPERATURE...OVERNIGHT LOWS IN THE UPPER 20S TO MID 30S.

* IMPACTS...FROST CAN DAMAGE SENSITIVE PLANTS IF LEFT UNPROTECTED.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FROST ADVISORY MEANS THAT FROST IS POSSIBLE. SENSITIVE OUTDOOR PLANTS MAY BE KILLED IF LEFT UNCOVERED.

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PALMER

IOWA STATE
UNIVERSITY

College of Ag
Department of Agronomy

November 16, 2014 Exceptional Event, Imperial County

Appendix A

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WMUS75 KPSR 162106
NPWPSR

URGENT - WEATHER MESSAGE
NATIONAL WEATHER SERVICE PHOENIX AZ
206 PM MST SUN NOV 16 2014

.A STRONG COLD FRONT WILL MOVE THROUGH THE REGION TODAY BRINGING
WINDY CONDITIONS TO PORTIONS OF SOUTHEAST CALIFORNIA AND
SOUTHWEST ARIZONA. MUCH COLDER TEMPERATURES WILL FILTER INTO THE
AREA POTENTIALLY LEADING TO THE FIRST FREEZE OF THE SEASON
TONIGHT FOR POPULATION CENTERS OF SOUTHERN GILA COUNTY.

AZZ020-025-CAZ031>033-170000-
/O.EXP.KPSR.DU.Y.0046.000000T0000Z-141116T2100Z/
/O.CON.KPSR.WI.Y.0012.000000T0000Z-141117T0000Z/
LOWER COLORADO RIVER VALLEY AZ-YUMA/MARTINEZ LAKE AND VICINITY-
LOWER COLORADO RIVER VALLEY CA-RIVERSIDE COUNTY/EASTERN DESERTS-
IMPERIAL COUNTY-
INCLUDING THE CITIES OF...EHRENBERG...PARKER...
FORTUNA FOOTHILLS...YUMA...BLYTHE...CHIRIACO SUMMIT...
DESERT CENTER...BRAWLEY...CALEXICO...EL CENTRO
206 PM MST SUN NOV 16 2014 /106 PM PST SUN NOV 16 2014/

...WIND ADVISORY REMAINS IN EFFECT UNTIL 5 PM MST /4 PM PST/ THIS
AFTERNOON...
...BLOWING DUST ADVISORY HAS EXPIRED...

THE BLOWING DUST ADVISORY IS NO LONGER IN EFFECT. A WIND ADVISORY
REMAINS IN EFFECT UNTIL 5 PM MST /4 PM PST/ THIS AFTERNOON.

* AFFECTED AREA...THE LOWER COLORADO RIVER VALLEY AND PORTIONS
OF SOUTHEASTERN CALIFORNIA...INCLUDING YUMA...PARKER... BLYTHE
AND...EL CENTRO.

* TIMING...STRONG WINDS THROUGH THIS AFTERNOON.

* WINDS...NORTH WINDS 25 TO 35 MPH WITH GUSTS 40 TO 50 MPH.

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES ON
WEST TO EAST ORIENTED ROADWAYS SUCH AS I-10 AND I-8. PERIODS OF
BLOWING DUST AND SAND REDUCE VISIBILITIES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES.

IN ADDITION...STRONG WINDS OVER DESERT AREAS COULD RESULT IN
BRIEFLY LOWERED VISIBILITIES IN BLOWING DUST OR BLOWING SAND. USE
EXTRA CAUTION. BE READY FOR A SUDDEN DROP IN VISIBILITY. IF YOU
ENCOUNTER BLOWING DUST OR BLOWING SAND ON THE ROADWAY OR SEE IT
APPROACHING...PULL OFF THE ROAD AS FAR AS POSSIBLE AND PUT YOUR
VEHICLE IN PARK. TURN THE LIGHTS ALL THE WAY OFF AND KEEP YOUR
FOOT OFF THE BRAKE PEDAL.

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PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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AZZ024-170915-
/O.CON.KPSR.FZ.W.0001.141117T0900Z-141117T1600Z/
SOUTHERN GILA COUNTY/TONTO NATIONAL FOREST FOOTHILLS-

November 16, 2014 Exceptional Event, Imperial County

Appendix A

INCLUDING THE CITIES OF...GLOBE...MIAMI...SAN CARLOS...
SUPERIOR...TOP-OF-THE-WORLD
206 PM MST SUN NOV 16 2014

...FREEZE WARNING REMAINS IN EFFECT FROM 2 AM TO 9 AM MST
MONDAY...

A FREEZE WARNING REMAINS IN EFFECT FROM 2 AM TO 9 AM MST MONDAY.

* AFFECTED AREA...GLOBE...MIAMI...AND VICINITY.

* TEMPERATURE...FALLING INTO THE UPPER 20S TO LOWER 30S FOR
SEVERAL HOURS.

* IMPACTS...TEMPERATURES BELOW FREEZING FOR SEVERAL HOURS MAY
KILL UNPROTECTED SENSITIVE VEGETATION. THIS POTENTIAL FREEZE
MAY BRING AN END TO THE CURRENT GROWING SEASON.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A FREEZE WARNING MEANS SUB-FREEZING TEMPERATURES ARE IMMINENT OR
HIGHLY LIKELY. THESE CONDITIONS WILL DESTROY OR DAMAGE CROPS AND
OTHER SENSITIVE VEGETATION.

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CAZ030-170000-
/O.CON.KPSR.WI.Y.0012.000000T0000Z-141117T0000Z/
JOSHUA TREE NATIONAL PARK-
INCLUDING THE CITY OF...COTTONWOOD VISITOR CENTER
106 PM PST SUN NOV 16 2014

...WIND ADVISORY REMAINS IN EFFECT UNTIL 4 PM PST THIS
AFTERNOON...

A WIND ADVISORY REMAINS IN EFFECT UNTIL 4 PM PST THIS AFTERNOON.

* AFFECTED AREA...THE LOWER COLORADO RIVER VALLEY AND PORTIONS
OF SOUTHEASTERN CALIFORNIA...INCLUDING YUMA...PARKER...
BLYTHE...EL CENTRO AND JOSHUA TREE NATIONAL PARK.

* TIMING...THIS MORNING AND AFTERNOON

* WINDS...NORTH WINDS 25 TO 35 MPH WITH GUSTS TO 45 MPH

* IMPACTS...TRAVEL WILL BE DIFFICULT FOR HIGH PROFILE VEHICLES
ON WEST TO EAST ORIENTED ROADWAYS. RIDGETOP WINDS WILL ALSO
REMAIN STRONG...FUNNELING THROUGH AN MOUNTAIN GAPS OR PASSES.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A WIND ADVISORY MEANS THAT SUSTAINED WIND SPEEDS OF BETWEEN
30 AND 40 MPH ARE EXPECTED...OR WIND GUSTS OF BETWEEN 40 AND
58 MPH. WINDS THIS STRONG CAN MAKE DRIVING DIFFICULT...ESPECIALLY
FOR HIGH PROFILE VEHICLES. IN ADDITION...STRONG WINDS OVER DESERT
AREAS COULD RESULT IN BRIEFLY LOWERED VISIBILITIES TO WELL UNDER
A MILE AT TIMES IN BLOWING DUST OR BLOWING SAND. USE EXTRA
CAUTION.

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VISIT US ON FACEBOOK...TWITTER...AND AT WEATHER.GOV/PHOENIX